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IITRI Project No. L6116-Study No. 11

DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF TNT

(Twenty-four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the B6C3F1 Hybrid Mouse)

FINAL REPORT--PHASE IV
VOLUME I

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December 1984

Supported by

U.S. ARMY MEDICAL RESEARCH AND DEVELOPMENT COMMAND
Fort Detrick, Frederick, Maryland 21701-5012

Contract No. DAMD17-79-C-9120

IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

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UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE

AD-A168754

REPORT DOCUMENTATION PAGE

1a REPORT SECURITY CLASSIFICATION Unclassified	1b RESTRICTIVE MARKINGS
2a SECURITY CLASSIFICATION AUTHORITY 2b DECLASSIFICATION / DOWNGRADING SCHEDULE	3 DISTRIBUTION / AVAILABILITY OF REPORT Approved for public release; distribution unlimited
4 PERFORMING ORGANIZATION REPORT NUMBER(S) L6116 Study No. 11	5 MONITORING ORGANIZATION REPORT NUMBER(S)
6a NAME OF PERFORMING ORGANIZATION IIT Research Institute 6b OFFICE SYMBOL (If applicable)	7a NAME OF MONITORING ORGANIZATION
6c ADDRESS (City, State, and ZIP Code) 10 West 35th Street Chicago, IL 60616	7b ADDRESS (City, State, and ZIP Code)
8a NAME OF FUNDING / SPONSORING ORGANIZATION U.S. Army Medical Research & Development Command 8b OFFICE SYMBOL (If applicable)	9 PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER DAMD17-79-C-9120
8c ADDRESS (City, State, and ZIP Code) For Detrick Frederick, Maryland 21701-5012	10 SOURCE OF FUNDING NUMBERS PROGRAM ELEMENT NO. 62720A PROJECT NO. 3E1-62720A835 TASK NO. AA WORK UNIT ACCESSION NO 094

11 TITLE (Include Security Classification) DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF TNT (Twenty-four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the B6C3F1 Hybrid Mouse

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13a TYPE OF REPORT	13b TIME COVERED	14 DATE OF REPORT (Year, Month, Day)	15 PAGE COUNT
Phase IV Final Report	FROM ______ TO ______	1984 December	338

16 SUPPLEMENTARY NOTATION

17 COSATI CODES			18 SUBJECT TERMS (Continue on reverse if necessary and identify by block number)
FIELD	GROUP	SUB-GROUP	
06	15		TNT; CAS Reg. No. 118-96-7; B6C3F1 hybrid mouse; Chronic toxicity; Trinitrotoluene
19	01		

19 ABSTRACT (Continue on reverse if necessary and identify by block number)

This study was conducted to evaluate the toxicity of the munitions compound 2,4,6-trinitrotoluene (TNT) CAS Reg. No. 118-96-7) in B6C3F1 hybrid mice when administered in their diet for up to 24 months. Groups of 75 mice per sex received TNT at doses of 0, 1.5, 10, or 70 mg/kg/day. Ten mice/sex/dose were sacrificed following 6 and 12 months on test with surviving animals sacrificed after 24 months of treatment. Toxicologic endpoints include clinical signs, body weights, food consumption, hematology, clinical chemistry, ophthalmology, organ weights, and gross and tissue morphology.

The major toxic effects observed during the administration of 70 mg/kg/day of TNT to B6C3F1 mice for up to 24 months included anemia and probable hepatotoxicity. In addition, peripheral lymphocytosis and leukemia/malignant lymphoma in spleen were apparent. A single instance of lymphocytosis was evident for males at the 10 mg/kg/day dose level. These animals also demonstrated a 5-7 reduction in body weight gain throughout the treatment period. This dose therefore appears to be minimally toxic, and the no-effect level under the conditions of the present study is 1.5 mg/kg/day.

20 DISTRIBUTION / AVAILABILITY OF ABSTRACT ☐ UNCLASSIFIED/UNLIMITED ☒ SAME AS RPT ☐ DTIC USERS	21 ABSTRACT SECURITY CLASSIFICATION Unclassified
22a NAME OF RESPONSIBLE INDIVIDUAL Mrs. Virginia M. Miller	22b TELEPHONE (Include Area Code) (301)663-7325 22c OFFICE SYMBOL SGRD-RMS

DD FORM 1473, 84 MAR — 83 APR edition may be used until exhausted. All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE
UNCLASSIFIED

Contract No. DAMD17-79-C-9120
IITRI Project No. L6116
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FINAL REPORT

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EXECUTIVE SUMMARY

This study was conducted to evaluate the toxicity of the munitions compound trinitrotoluene (TNT; CAS Reg. No. 118-96-7) in B6C3F1 hybrid mice when administered in their diet for up to 24 months. Groups of 75 mice per sex received TNT at doses of 0, 1.5, 10, or 70 mg/kg/day. Ten mice/sex/dose were sacrificed following 6 and 12 months on test with surviving animals sacrificed after 24 months of treatment. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, ophthalmology, organ weights, and gross and tissue morphology.

The dose levels for the chronic toxicity/carcinogenicity study of TNT in B6C3F1 hybrid mice were selected on the basis of results of a four-week oral (diet) range-finding study. In this range-finding study groups of 10 mice per sex received TNT at doses of 0, 0.3, 2, 14, 100 or 700 mg/kg/day. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, organ weights, and gross and tissue morphology.

Doses of up to 700 mg/kg/day failed to result in death. The only clinical findings were reductions in body weight gain at 100 mg/kg/day and slight body weight loss at the 700 mg/kg/day dose level. Major toxic effects included hemolysis of red cells as suggested by hyperbilirubinemia and splenic hemosiderosis. Additional toxic effects of TNT seen primarily at the 700 mg/kg/day dose level included leukopenia without a differential shift, thrombocytosis, slight hepatomegaly, marginal decreased testes weights, and elevated renal weights. None of these organ weight changes was accompanied by treatment-related histologic alterations. Minimal toxic effects were seen at the 100 mg/kg/day dose level. Thus, the appparent no-effect level under the conditions of this range-finding study was 14 mg/kg/day.

The chronic administration of TNT to male and female B6C3F1 mice at doses up to 70 mg/kg/day did not alter survival rates. Clinically, reductions in body weight gain (15-20%) were seen for animals of both sexes given 70 mg/kg/day; a 5-7% reduction throughout the treatment period also occurred for males at the 10 mg/kg/day dose level. By contrast, increases in food consumption were seen at the high dose level.

Anemia consisting of reduced hematocrit, hemoglobin and RBC count was observed for males and females receiving 70 mg/kg/day. The effect was mild, and compensatory physiologic responses, i.e., increased production of reticulocytes and larger erythrocytes were not apparent. In addition, splenic lesions previously seen for TNT-treated rats and dogs which were considered secondary to a hemolytic anemic state, i.e, sinusoidal congestion, extramedullary hematopoiesis, and hemosiderosis, were not observed in this study. This was probably a function of the limited extent of anemia seen at the doses tested.

Additional toxic effects of TNT to B6C3F1 mice were seen only at the 70 mg/kg/day dose level. These included potential liver injury observed as reduced serum triglyceride levels, reduced serum globublin levels (A/G ratios were unaffected), and increased brain, liver size without microscopic alterations. Sporadic increases for kidneys, spleen, heart and testecular weights were also seen, but were also not supported histologically.

Increased lymphocyte counts were observed in animals administered 70 and, to a lesser extent, 10 mg/kg/day. For females given the high dose, increased incidence of leukemia and malignant lymphoma, with a positive dose-response was observed in the spleen. This increase was not seen for males and no other tumorigenic effect of TNT was apparent in this study.

In summary, the major toxic effects observed during the administration of 70 mg/kg/day of TNT to B6C3F1 mice for up to 24 months included anemia and probable hepatotoxicity. In addition, peripheral lymphocytosis and leukemia/malignant lymphoma in spleen was apparent. A single instance of lymphocytosis was evident for males at the 10 mg/kg/day dose level. These animals also demonstrated a 5-7% reduction in body weight gain throughout the treatment period. This dose therefore appears to be minimally toxic, and the no-effect level under the conditions of the present study is 1.5 mg/kg/day.

FOREWORD

The U.S. Army Medical Bioengineering Research and Development Laboratory (USAMBRDL), Fort Detrick, Frederick, MD, has been conducting a research program since 1973 for the purpose of developing the scientific data base necessary for recommending water quality criteria for compounds unique to the munitions industry. A water quality criterion (as defined by the amended Clean Water Act, 1977) is a qualitative or quantitative estimate of the concentration of a pollutant in ambient waters that, when not exceeded, will ensure a water quality sufficient to protect a specified water use. The criterion is a scientific entity based solely on data and scientific judgement. It does not reflect considerations of economic or technological feasibility. Currently, a water quality criterion consists of two separate numerical limits, one for the protection of human health and the other for the protection of aquatic organisms. These numbers, when translated by the appropriate regulatory agency, can be the basis of enforceable discharge or effluent limitations in a point source discharge permit issued under the Clean Water Act.

Since a water quality criterion is to protect designated water uses, a diverse, multidisciplinary research program was developed by USAMBRDL that includes "effects" studies on laboratory and domestic animals, wildlife species, aquatic organisms, plants, and economically important crops. In addition, extensive chemical and biological fate and persistence tests are conducted to provide information on the behavior of a pollutant in the aqueous environment. These kinds of data are especially useful for making site-specific translation of criteria into enforceable discharge limits.

This report represents a portion of the mammalian toxicology data base being developed by USAMBRDL on trinitrotoluene.

In conducting the research described in this report, the investigator(s) adhered to the "Guide for the Care and Use of Laboratory Animals," prepared by the Committee on Care and Use of Laboratory Animals in the Institute of Laboratory Animal Resources, National Research Council (DHEW Publication No. (NIH)78-23, Revised 1978).

ACKNOWLEDGMENT

This report was prepared at IIT Research Institute, 10 West 35th Street, Chicago, Illinois, 60616, under U.S. Department of Army Contract No. DAMD17-79-C-9120 (IITRI Project No. L06116) entitled "Determination of the Chronic Mammalian Toxicological Effects of TNT". Mr. Jesse J. Barkley, Jr., Environmental Protection Research Division, USAMBRDL, served as the Contract Officer's Technical Representative for this program.

The work reported herein was conducted in the Toxicology and Pharmacology Section of the Life Sciences Department and represents a portion of the overall effort of the above named research program. Paul M. Lish, Ph.D., Scientific Advisor, served as Principal Investigator. Eva M. Furedi-Machacek, DVM, served as study director and study toxicologist, and was responsible for the overall conduct of the study, supervision of the technical support personnel, and final report generation. Vladislava S. Rao, DVM, M.S., and Carol A. Thompson, DVM, M.S., Senior Veterinary Pathologists, consecutively served as Study Pathologists and were responsible for supervision of gross necropsies, tabulation of the gross necropsy data and histological tissue-processing. John Sagartz, DVM, Consultant, Veterinary Pathology, was responsible for tabulation and evaluation of histopathology data. Barry S. Levine, D.Sc., Senior Toxicologist, served as head of the clinical pathology laboratory and was also responsible for generation of the final report. Don Reitman, Samuel Terese, B.S., (ASCP-MT), and Debbie L. Sava, B.S., (ASCP-MT), were responsible for generation of clinical pathology data. Joseph B. Harder, DVM, served as clincal veterinarian and supervised animal care personnel. Joann M. Hinz, B.S., and Robert M. Renaud, B.S., were responsible for the collection of test data. Dorothy Davis, (ASCP-HT), was responsible for preparation of histology slides. C. Susan West, DVM, performed the ophthalmic examinations. Josephine M. Reed, M.M., M.S., Quality Assurance, was responsible for the quality assurance program. Robert Remaly, B.S., Senior Engineer, was responsible for preparation of the test article premixes. Hugh J. O'Neill, Ph.D., Manager, Analytical Chemistry, and Walter C. Eisenberg, Ph.D., Senior Chemist, were responsible for chemical analyses of test articles, test article premixes and test diets. Jean Graf provided the particle size analyses. Kirit Parikh B.S., was responsible for the Quality Assurance program of chemical analyses. Robert Gibbons, Ph.D., provided statistical and computational assistance.

QUALITY ASSURANCE STATEMENT

Biological laboratory inspections were performed on September 29 and November 11 and 24, 1981; January 18, February 2, March 3, April 15, June 2, July 8, August 12 and 24, October 7, November 10, 1982; and January 26, March 17, May 19, August 2, September 29 and October 12 and 13, 1983; and February 21, 1984. Data audits were performed on January 18, August 2, and October 29 to November 4, 1982; January 19, February 2 to 7, and June 21 to 23, 1983; and March 21 to 23, May 15 to 22, November 11 to 15, and December 4, 1984. The final draft report was audited May 12 and 15, 1986. Inspections and audits were performed by Josephine Reed, Julie McPhillips, and Kirit Parikh. The study was found to meet Life Sciences Quality Assurance criteria. Specimens and raw data generated during the study will be retained in the IITRI Life Sciences Archives as specified in standard operating procedures.

Josephine M. Reed 6/3/86

Josephine M. Reed
Quality Assurance

TABLE OF CONTENTS

TABLE OF CONTENTS (CONCLUDED)

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* Requests for Volumes II and III should be directed to Health Effects Research Division, U.S. Army Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland 21701-5012.

LIST OF TABLES

LIST OF TABLES (CONCLUDED)

LIST OF FIGURES

I. INTRODUCTION

The U.S. Army Medical Research and Development Command (USAMRDC) has been directed to evaluate the potential hazards to living systems of wastewater discharges from munitions facilities. Of primary concern are the toxicologic effects to mammalian systems of trinitrotoluene (TNT; CAS Reg. No. 118-96-7). This high explosive is routinely used in filling shells and bombs. Wastewaters resulting from the loading of this explosive into shells are discharged into the environment without significant treatment and are subject to limitations imposed by governmental regulatory agencies. Evaluation of the potential hazards of these wastewaters to human health is therefore a necessary portion of the data-base required to establish comprehensive environmental criteria.

The present study was conducted to aid in this evaluation by assessing the chronic toxicity and potential carcinogenicity of TNT in B6C3F1 hybrid mice when administered in the diet for at least 104 weeks. Information ultimately derived from this comprehensive long-term toxicology study will aid USAMRDC in developing criteria for the establishment of effluent standards and in defining levels of treatment for its pollution abatement program.

The study reported herein was conducted in accordance with the IITRI Quality Assurance Program designed to comply with FDA Good Laboratory Practice Regulations (1). Thus, all terms used in this report, e.g. test article, raw data, specimens, etc., are in agreement with the definitions set forth in the aforementioned document.

II. MATERIALS AND METHODS

A. Test Article

One hundred pounds of trinitrotoluene (TNT; CAS Reg. No. 118-96-7), Batch No. VOL 11-011, were made available for this study from stocks at the IITRI Kingsbury Ordnance Plant (KOP) Explosive Facility, La Porte, IN. The test article was stored at the facility in the dark and at ambient room temperature and relative humidity. Upon initiation and at termination of the treatment phase of the study, 30 g samples were taken and stored under conditions similar to those for the Batch No. VOL 11-011.

The purity of the test article was determined by high performance liquid chromatography, as described in Appendix IA (page), with analytical standards provided by the Sponsor. TNT purity was analyzed three times during this study and the results were as follows: May 1982 (99.43 ± 2.89%), March 1983 (99.05 ± 4.11%) and October 1983 (98.86 ± 2.01%).

Particle size analyses were done in November 1979 and November 1981 by the Fine Particles Research Section of the Chemistry and Chemical Engineering Department of IIT Research Institute. The results were as follows:

Date	November 1979			November 1981		
Size (um)	Number	%	Cummul. %	Number	%	Cummul. %
<22	187	38.4	38.4	68	13.6	13.6
22-44	101	20.2	58.6	143	28.7	42.3
44-66	69	14.2	72.8	87	17.4	59.7
66-110	57	11.7	84.5	86	17.2	76.9
110-220	44	9.0	93.5	73	14.6	91.5
220-330	18	3.7	97.2	20	4.0	95.5
330-440	9	1.9	99.1	14	2.8	98.3
>440	2	0.4	99.4	8	1.6	99.9

B. Test Diets

Premixes for the test article, approximately 10% in Purina Certified Rodent Chow No. 5002 (Ralston Purina Co., St. Louis, MO.), hereafter referred to as 5002, were prepared on a monthly basis in 4 kg quantities at the KOP by Chemistry Department personnel. The 10% premixes and test diets were stored at approximately 4°C. Undiluted TNT was handled in accordance with procedures for explosive and fire hazards. The test article was ball milled with equal parts of 5002 and subsequently diluted with additional 5002 in a twin shell blender to yield approximate 10% premixes. On and following Test Week 32, the 5002 used in this procedure was passed through a No. 45 (350 um) sieve prior to ball milling with TNT. The procedure was changed because homogeneity tests of some TNT diets showed a large relative standard deviation.

Each TNT premix was tested for accuracy, homogeneity, potency and recovery of the test article. Homogeneity testing consisted of analyzing for test article concentration in each batch of premix taken from six random locations of its container. Premix stability was established for a period of seven weeks and later for a period of nine weeks by conducting homogeneity tests at the initial and the terminal points of the 7, as previously reported (2), or 9 week period (see below). Recovery tests for the premix consisted of adding a known quantity of test article to an aliquot of the extracted premix. The spiked sample subsequently underwent the identical analytical procedure as the actual premix.

Toxicology Section personnel received the test article as approximate 10% premixes in 5002. These premixes posed little explosive or fire hazard as previously demonstrated (2). Results of premix analyses were as follows:

LOT NO.	DATE PREPARED	DATE ANALYZED	% TNT ± S.D.**
162-4	9-11-81	9-18-81	9.54 ± 0.58
162-5	10-19-81	10-23-81	9.94 ± 0.46
162-6	11-12-81	11-20-81	9.70 ± 0.25
162-7	12-18-81	12-22-81	9.68 ± 0.49
162-9	1-29-82	2-02-82	9.73 ± 0.50
162-10	2-12-82	2-22-82	9.51 ± 0.84
162-11	3-23-82	3-31-82	9.91 ± 0.27
162-12	4-26-82	5-06-82	9.99 ± 0.11
162-17	6-02-82	6-07-82	9.88 ± 0.23
162-17**	6-02-82	8-18-82	9.47 ± 0.43
162-19	7-13-82	7-19-82	9.04 ± 0.33
162-20	8-16-82	8-19-82	9.58 ± 0.29
162-21	9-10-82	9-16-82	9.87 ± 0.20
162-22	10-18-82	10-22-82	9.85 ± 0.56
162-23	11-22-82	12-01-82	9.47 ± 0.68
162-24	12-20-82	12-30-82	9.93 ± 0.21
162-25	1-20-83	1-25-83	9.78 ± 0.37
216-01	2-24-83	3-01-83	9.84 ± 0.37
216-03	3-23-83	4-01-83	9.52 ± 0.18

* Six sampling locations

** Stability study

Following chemical analysis of the premixes to determine test article concentration (Appendix IB), sufficient quantities were diluted with 5002 in a twin shell blender by toxicology personnel to achieve the concentrations of the test article necessary to administer the required dose levels on a mg/kg/day basis. The previous weeks' body weight and food consumption measurements for each test group, by sex, were used to calculate the predicted weight gain and food consumption and afterward, the desired dietary concentrations of the test article. Eight kg of each test diet were prepared on an approximately weekly basis. Unused portions of 10% premixes were returned to KOP for disposal in accordance with instructions for safe disposal of explosives. Surplus and uneaten portions of test diets were incinerated.

Thirty-six test diets (2 diets/sampling week) used in Test Weeks 1, 8, 14, 20, 26, 32, 38, 44, 50, 57, 61, 67, 74, 79, 85, 91, 97, and 104 were analyzed for concentration and homogeneity. In addition, one test diet was monitored for stability under animal cage conditions for one week. First, it was sampled the

day it was placed in the animals' cages and again one week later from the uneaten portion of the diet. Recovery studies of test diets consisted of adding a known quantity of test article (spiking) to a weighed quantity of untreated 5002 in a measured volume of acetonitrile (the solvent used in the extraction procedure). The spiked samples subsequently underwent the identical analytical procedures as the actual diets.

One sample of 5002, Lot No. March 24 82 G, was analyzed during the course of the study by Trace Elements, Inc., Park Ridge, IL (TEI) for those contaminants listed in the 5002 certification profile shown in Appendix II. The analytical results are also shown in Appendix II except for the chlortetracycline levels shown in Appendix VII. The references to the procedures used by TEI are in Appendix III. On the basis of the analytical results for chlortetracycline content, aliquots from this and three additional reserve samples of 5002 were sent to TEI for analysis. In addition, aliquots from these four reserve samples were sent to Scientific Associates, Inc., St. Louis, MO, Woodson-Tenent Laboratories, Inc., Memphis, TN, and Harris Laboratories, Inc., Lincoln, NE for chlortetracycline analysis. Samples of each 5002 lot used in the study were also analyzed for nitrate, nitrite and mercury content by TEI.

C. Animals

B6C3F1 mice obtained from Charles River Breeding Laboratories, Wilmington, Mass., Portage, MI facility were used for this study. Three-hundred fifty eight males and 352 females were received in good condition on September 16, 1981. They were 3 to 4 weeks old upon arrival and mean random body weights recorded within three days of receipt were 14.9 ± 3.4 g (males) and 13.1 ± 2.4 g (females).

The shipment was housed in two quarantine rooms, one for each sex. The animal room conditions during quarantine, pretest and test periods were as follows; 21-25 C° ambient relative humidity (30-70%) and 12 hour light/12 hour dark cycle. No other test animals were in the rooms. The animals were housed five per polycarbonate cage (16.5"x 8"; 8" height) with Ab-sorb-dri bedding (Ab-sorb-dri Inc., Rochelle Park, N.J.) from arrival until their termination. Animals were transferred to clean cages twice weekly. Each animal was identified during the quarantine period by a combination of cage number and tail mark. Test animal selection was done at the onset of Test Week -2 (2 weeks prior to initiation of treatment). Animals placed on test received a study-unique test animal number (N=600) which appeared as a combination ear punch and toe clip. The identifying ears and paws were included with necropsy specimens. This number

appeared on the cage card that also contained the study number, dose level and sex. In addition, the cage cards were color coded as to the dose level and sex.

Upon arrival at the IITRI animal facility, the animals were held in quarantine for 13 days. During this period, they were observed for signs of disease, general unthriftiness, poor coat, discharge from body openings, abnormal feces, etc. Any animals found to be unhealthy were eliminated from the test animal selection process. At the end of the quarantine period, five animals of each sex were sacrificed. Extensive gross necropsies were performed under the supervision of the pathologist. Blood samples were collected for measurments of hematology and clincal chemistry parameters (see section II.D.) Results of pretreatment health screen were within limits for the mice of this strain and age. Microbiological examination of the digestive and respiratory system for pathogens, molds, yeasts, parasites and _Mycoplasma pulmonis_ was also performed for the above mice with negative results. Serum antibody titer was determined for the following diseases: GD-VII virus, K virus, Mouse Adenovirus, Sendai virus, Reovirus 3, Pneumonia virus of mice, Lymphocytic Choriomeningitis, Polyoma virus, Minute virus of mice, Mouse Hepatitis and Ectomelia. These antibody titers were negative as measured by Microbiological Associates, Bethesda MD.

Animals received 5002 rodent chow from arrival until their termination, except during a 2 to 5 hour fast prior to blood collection and/or scheduled sacrifice. The food was available from powdered diet feeders (Model LC-207/C, Wahman Mfg. Co.). Tap water was available _ad libitum_ from glass or plastic bottles. Bimonthly analytical results of drinking water of the City of Chicago were included in the monthly or bimonthly technical reports and an example is shown in Appendix X, page 316.

D. Experimental Design

Following the quarantine period, test-eligible animals were assigned to four treatment groups by a stratified randomization procedure (blocked by body weight). Following assignment to treatment groups, all animals were randomly assigned test animal numbers as shown below. The animal cages were assigned permanent randomized location on racks without regard to dose level or sex. Mean body weight values at randomization were 19.1 ± 2.3 g for males and 15.8 ± 1.8 g for females. This procedure was performed at the onset of Test Week -2. The animals were approximately 6-7 weeks old upon initiation of treatment and body weight ranges recorded during Test Week -1 (the most recent data prior to initiation of treatment) were 20.8-26.8 g for males and 15.0-17.9 g for females. The first day of exposure to the test article was October 14, 1981. Dietary administration continued until Test Week 106 (October 25, 1983).

Treatment Group Allocation:

Treatment Group	Treatment	Animals per Sex	Dose Level (mg/kg/day)	Test Animal No. (males)	Test Animal No.(females)
I.	-	75	0.0	1- 75	76-150
II.	TNT	75	1.5	151-225	226-300
III.	TNT	75	10.0	301-375	376-450
IV.	TNT	75	70.0	451-525	526-600

The dose levels for this study were selected on the basis of results of the "Four Week Subchronic (Exploratory/Range-Finding) Oral (Diet) Toxicity Study of Trinitrotoluene (TNT) in the B6C3F1 Hybrid Mouse," performed by IITRI under Contract No. DAMD17-79-C-9120. The report of this study is included in Appendix IV, page 127.

The appropriate test diets were available to the test animals *ad libitum* from Test Day 1 until their termination, except during a 2 to 5 hour fast prior to either blood collection in Test Weeks 14, 27, 52, 79 and 105 or scheduled sacrifice in Test Weeks 27, 52 and 105-106. Thus, all animals received the appropriate test diet until approximately 2-5 hrs prior to their scheduled sacrifice. Weekly test diets were prepared for each treatment group, by sex, on the basis of the projected body weight and food consumption data.

Commencing with Test Week -1 until their termination, all animals were observed once daily in the morning for any pharmacologic and/or toxicologic signs. Afternoon mortality checks were initiated on Test Day 1. The presence or absence of red bedding in animals' cages was recorded weekly from Test Week 1 until termination. Physical examinations, which included palpations for masses, were conducted weekly from Test Week -1 until Test Week 13 and then biweekly until Test Week 104. Food consumption was measured weekly for each cage of test animals commencing with Test Week -2 through Test Week 13 and biweekly until Test Week 104. Mean daily food consumption per animal was calculated from these data. Body weight values were recorded weekly starting in Test Week -2 until Test Week 13, and biweekly thereafter until termination.

All surviving animals were subjected to ophthalmic examinations during Test Weeks -2, 25, 51, 77 and 103. The examination consisted of indirect ophthalmoscopy and biomicroscopy. Only animals found to be free of clinically apparent lesions in the pretest examination were used in the study.

Blood samples were periodically collected for measurements of hematology and clinical chemistry parameters for 10 randomly selected mice/sex/dose level. During Test Weeks 27, 52, and 105, the selected mice were sacrificed and blood was collected prior to necropsy. During Test Weeks 14 and 79, one set of 10 mice/sex/dose level was randomly selected for hematology tests and a second set of mice was selected for measurements of clinical chemistry parameters. Approximately 0.5-1.0 ml of blood was collected from each animal via the orbital sinus. The samples were collected and analyzed in a randomized order over a 2 or 3 consecutive day period.

The following parameters were measured:

Hematology:

Hematocrit (Hct)
Hemoglobin (Hgb)
Mean Corpuscular Volume (MCV)
Mean Corpuscular Hemoglobin (MCH)
Mean Corpuscular Hemoglobin Concentration (MCHC)
Methemoglobin (METHGB)
Erythrocyte count (RBCs)
Platelet count (PLT)
Leukocyte count (WBC), total and differential
Reticulocyte count (RETIC)
RBCs with Howell-Jolly bodies (qualitative) (HOWJOL)
RBCs with Heinz bodies (qualitative)

Clinical Chemistry:

Glucose (GLU)
Blood urea nitrogen (BUN)
Serum glutamic-pyruvic transaminase (SGPT)
Bilirubin, total and direct (T-BIL and D-BIL)
Triglycerides (TRIG)
Total cholesterol (CHOL)
Total protein (PRO)
Albumin (ALB)
Globulin (calculated value) (GLOB)
A/G ratio (calculated value) (ALB/GLOB)

Methods used to measure the above parameters are listed in Appendix V (Hematology) and Appendix VI (Clinical Chemistry).

All animals which were sacrificed in a moribund state or died on test were necropsied regardless of autolytic state. Ten randomly selected animals/sex/dose level, after exclusion of animals designated for serial blood collection, were sacrificed during Test Weeks 27 and 52. Two hundred seventy surviving test animals were sacrificed and necropsied in random order during

Test Weeks 105 and 106 (October 12 to 25, 1983). Terminal body weights were recorded immediately prior to sacrifice following a 2 to 5 hour fast. Euthanasia was accomplished with carbon dioxide anesthesia followed by exsanguination from the orbital sinus or abdominal aorta. The necropsy procedure was a thorough and systematic examination of the animal viscera and carcass with collection and fixation of the following tissues:

- Adrenals
- Bone marrow smear
- *Brain
- Cecum
- Colon
- Costochondral junction, rib
- Duodenum
- Epididymes
- Esophagus
- Eyes and optic nerves
- Gall bladder
- Gross lesions
- *Heart
- Ileum
- Jejunum
- *Kidneys
- Larynx
- *Liver
- Lungs and mainstem bronchi
- Lymph nodes (mandibular and mesenteric)
- Mammary gland
- Muscle
- Nasal turbinates
- Ovaries
- Pancreas
- Pituitary gland
- Prostate
- Rectum
- Salivary gland
- Sciatic nerve
- Seminal vesicles
- Skin, abdominal
- Spinal cord (cervical, thoracic, lumbar)
- *Spleen
- Sternum, including bone marrow
- Stomach
- *Testes
- Thymus
- Thyroids (parathyroids)
- Tissue masses
- Trachea
- Urinary bladder
- Uterus

* These organs were weighed during the scheduled necropsies.

All tissues, except eyes, testes and bone marrow smears, were fixed at a thickness not exceeding 0.5 cm in 10% neutral buffered formalin (NBF) which was changed 24 hours later. Eyes and testes were fixed in 3% aqueous glutaraldehyde and Bouin's Solution, respectively, for 24 hours. They were transferred to 50% ethanol for 24 hours, then placed in 70% ethanol. Bone marrow smears were prepared from the femur using the "paint brush technique". They were air-dried and fixed in absolute methanol. Lungs and urinary bladder were inflated with NBF prior to immersion in this fixative. The stomach was opened and flattened on paper prior to fixation. All tissues examined microscopically were cut at a thickness of 4 to 6 microns and stained with hematoxylin and eosin.

Tissues from all control animals and those receiving 70.0 mg/kg/day were subjected to comprehensive histopathologic examination, defined as microscopic examination of the following tissues and/or organs:

Adrenals
*Brain (3 sections)
Cecum
Colon
Duodenum
Epididymes
Esophagus
Eyes and optic nerve
Gonads
Gross lesions
Heart
Ileum
Jejunum
Kidneys
Larynx
Liver
Lungs and mainstem bronchi
Mammary gland
Mesenteric lymph node
Pancreas
Prostate
Rectum
Seminal vesicles
Skin, abdominal
Spinal cord (cervical, thoracic and lumbar)
Spleen
Sternum including bone marrow
Stomach
Tissue masses
Thyroids/parathyroids
Tissue masses
Trachea

Uterus
Urinary bladder

*(1) frontal cortex and basal ganglia; (2) parietal cortex and thalmus; and (3) cerebellum and pons.

Tissues from all animals receiving 1.5 and 10.0 mg/kg/day were subjected to limited histopathologic examination defined as microscopic examination of at least the following tissues and/or organs: brain (section of frontal cortex and basal ganglia; section of parietal cortex and thalmus and section of cerebellum and pons) gonads, heart, liver, kidneys, spleen, spinal cord (cervical, thoracic and lumbar) and in addition for the females, urinary bladders and sternal bone marrow.

E. Statistical Analysis

Those variables that were repeatedly measured, e.g. body weight, food consumption, and clinical pathology parameters were statistically analyzed using a multivariate analysis of variance for repeated measurements model. Variables that were measured a single time, e.g. organ weights, were analyzed using both univariate and multivariate analysis of variance procedures. In the presence of significant ANOVA results, a series of post-hoc analyses were conducted. Individual between group comparisons at each time-point were performed using Tukey's b test for multiple comparisons. Frequency data, such as incidence of mortality, gross necropsy observations and histopathologic lesions, were compared using log linear analysis techniques where appropriate. Time to death data were analyzed using the Kaplan-Meier and Cox regression analyses. Individual animal data can be found in Appendix VII.

III. RESULTS

A. Test Diets

Weekly doses received by test animals based on their body weight and food consumption were very close to the intended dose levels. Mean dose calculations across time were within 98% of anticipated values for all treatment groups (Tables 1 and 2).

Analytically determined concentrations of TNT in test diets were generally close to their intended concentrations. The only exception occurred at Test Week 20 for the 10 mg/kg/day diets. The homogeneity (relative standard deviation) of some of the tested diets was not satisfactory, mostly at the lowest concentration and in the period between Text Weeks 14 and 26.

When test diets were sampled one week after being placed in the animal room, a slight decrease in TNT concentration occurred (Table 3). The known volatility of TNT may have accounted for this change.

B. Food and Water Contaminants

The analysis of a 5002 sample for those contaminants listed in the 5002 certification profile is shown in Appendix III. The results of the repeat testing of 5002 samples for chlortetracycline content are contained in Appendix VIII. The three reference laboratories which reanalyzed the 5002 samples following TEI generally reported negligible quantities of chlortetracycline.

A sample from each 5002 lot was analyzed for nitrate, nitrite and mercury content. The results are shown in Appendix IX. Analytical results obtained from a sample of Chicago water are contained in Appendix X.

C. Mortality/Clinical Observations

TNT did not induce lethality at the doses tested in this study as mean survival times were similar among control and treatment groups. In addition, clinical signs related to TNT administration were not readily apparent (Table 4).

D. Body Weight

Reductions in body weight gains were seen for male and female mice administered 70 mg/kg/day of TNT. This decrease was approximately 10% for both sexes up through the first 6-8 months of the study, with a further reduction of about 15% for females and 20% for males for the remainder of the test period. Although not statistically significant, an approximate 5-7% reduction in body weight gain was apparent for males but not females at the 10 mg/kg/day dose level for the majority of the study. Body weights were not altered for mice given 1.5 mg/kg/day (Tables 5-8).

E. Food Consumption

After an initial statistically significant ($p < 0.5$) decrease in food consumption for the male mice at the 70 mg/kg/day dose level, increases up to 30% were evident for the mice of both sexes throughout the study. Sporadic increases and decreases were observed at the lower dose levels and were not considered to be related to TNT-treatment (Tables 9 and 10).

F. Hematology

Anemia, as evidenced by reductions in hematocrit, hemoglobin and RBC count, was generally seen from Test Week 27 through Test Week 79 for males and females administered 70 mg/kg/day. The effect was mild and normal physiologic compensatory responses to the anemic state, e.g. reticulocytosis, macrocytosis, etc., were not apparent.

Lymphocytosis was observed during the Test Weeks 27 and 52 primarily for the 70 mg/kg/day animals. Males receiving 10 mg/kg/day also had increased lymphocyte counts at Test Week 27. No other hematologic changes were seen for TNT-treated mice (Tables 11-20; Figures 1 and 2).

G. Clinical Chemistry

Females at Test Week 14 and males at Test Week 52 receiving 70 mg/kg/day were hypotriglyceridemic. This effect was not seen at the other sampling points or for the other dose levels.

Occasional decreases in serum total protein (statistically not significant) and globulin levels were also seen at the high dose level. This was seen for males at Test Week 52 and for females at Test Week 105. A/G ratios for these animals however were similar to those of the control animals. No other measured clinical chemistry parameter was altered by TNT treatment (Tables 21-30).

H. Ophthalmology

The ophthalmology narrative report is contained in Appendix XI (attached) and in Volume II*, Appendix XIA. All opthalmologic abnormalities seen occurred in random fashion and were not considered to be treatment-related.

I. Organ Weights

Occasional elevations in brain, heat, kidneys, liver, spleen and testes relative weights were seen only for mice receiving 70 mg/kg/day. These changes were small although statistically significant, however a pattern with respect to sex or time was not observed (Tables 31-42).

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* Requests for Volume II should be directed to Health Effects Research Division, U.S. Army Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland 21701-5012.

J. Pathology

The Pathology Narrative Report appears in Appendix XII (attached) and in Volume III*, Appendix XIIA.

Gross lesions observed at the 6 and 12 month interim sacrifices and microscopic examinations of tissues taken during these study periods did not reveal lesions which were considered to be induced by the administration of TNT.

Enlarged spleen and lymph nodes for females receiving 70 mg/kg/day were observed at the terminal sacrifice necropsy and in mice that died or were sacrificed moribund between 12 and 24 months. Microscopic examination of these animals revealed leukemia (granulocytic or lymphocytic type) and malignant lymphoma (histiocytic, lymphocytic or mixed type) in the spleen. Leukemia and malignant lymphoma were systemic reticuloendothelial neoplasias and did involve other tissues and organs. There was a dose-related increase of occurrences of leukemia/malignant lymphoma for the female mice (Group 1, 16.7%; Group 2, 27.8%; Group 3, 31.5% and Group 4, 38.9%). However, only for the female mice at the 70 mg/kg/day dose, this increase was statistically significant ($p < 0.01$) (Table 43).

IV. DISCUSSION

The dose levels for the chronic toxicity/carcinogenicity study of TNT in B6C3F1 hybrid mice were selected on the basis of results of a four-week oral (diet) range-finding study. In this range-finding study groups of 10 mice per sex received TNT at doses of 0, 0.3, 2, 14, 100 or 700 mg/kg/day. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, organ weights, and gross and tissue morphology.

This study examined the oral toxicity of TNT following dietary administration to mice for four weeks. Doses of up to 700 mg/kg/day failed to result in death. The only clinical findings were reductions in body weight gain at 100 mg/kg/day and slight body weight loss at the 700 mg/kg/day dose level.

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* Requests for Volume III should be directed to Health Effects Research Division, U.S. Army Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland 21701-5012.

Major toxic effects included hemolysis of red cells as suggested by hyperbilirubinemia and splenic hemosiderosis. Additional toxic effects of TNT seen primarily at the 700 mg/kg/day dose level included leukopenia without a differential shift, thrombocytosis, slight hepatomegaly, marginal decreased testes weights, and elevated renal weights. None of these organ weight changes was accompanied by treatment-related histologic alterations. Minimal toxic effects were seen at the 100 mg/kg/day dose level. Thus, the appparent no-effect level under the conditions of this range-finding study was 14 mg/kg/day.

The chronic administration of TNT to male and female B6C3F1 mice at doses up to 70 mg/kg/day did not alter survival rates. Clinically, reductions in body weight gain (15-20%) were seen for animals of both sexes given 70 mg/kg/day; a 5-7% reduction throughout the treatment period also occurred for males at the 10 mg/kg/day dose level. By conrast, increases in food consumption were seen for the female mice at the high dose level throughout the study and for the male mice, at this dose level after an initial decrease in food consumption.

Anemia consisting of reduced hematocrit, hemoglobin and RBC count was sporadically observed for males and females receiving 70 mg/kg/day. The effect was mild, and compensatory physiologic responses, i.e. reticulocytosis, macrocytosis, etc., were not apparent. In addition, splenic lesions previously seen for TNT-treated rats and dogs (2,3) which were considered secondary to a hemolytic anemic state, i.e. sinusoidal congestion, extramedullary hematopoiesis, and hemosiderosis, were not observed in this study. This was probably a function of the limited extent of anemia seen at the doses tested.

Additional toxic effects of TNT to B6C3F1 mice were seen only at the 70 mg/kg/day dose level. These included potential liver injury observed as hypotriglyceridemia, reduced serum globulin levels (A/G ratios were unaffected), and hepatomegaly without microscopic alterations. Sporadic increases for kidneys, spleen and heart weights were seen but were not supported histologically.

Lymphocytosis was apparent for animals administered 70 and to a lesser extent 10 mg/kg/day. For the female mice an increased incidence of leukemia/malignant lymphoma, with a positive dose response, was seen in the spleen. This increase was statistically significant ($p < 0.01$) only for the female mice at the highest dose level tested. This dose-related increase in the incidence of malignancy was not seen in the male mice. The incidences of these neoplasias in the untreated study control male and female mice (17% for each sex) were within range of the historical control values for male and female mice (13 ± 7% and

27 ± 10%, respectively) from the NTP Rodent Control Data Base, March, 1983. No other tumorigenic effect of TNT was apparent in this study.

In summary, the major toxic effects observed during the administration of 70 mg/kg/day of TNT to B6C3F1 mice for up to 24 months included anemia and probable hepatotoxicity. In addition, peripheral lymphocytosis and leukemia/malignant lymphoma were apparent in the spleen. A single instance of lymphocytosis was evident for males at the 10 mg/kg/day dose level. These animals also demonstrated a 5-7% reduction in body weight gain throughout the treatment period. This dose, therefore, appears to be minimally toxic, and the no-effect level under the conditions of the present study is 1.5 mg/kg/day.

V. REFERENCES

1. Good Laboratory Practice Regulations. Fed. Reg. 21 CFR Part 38. 60013-60020, 1978.

2. Levine, B.S., Furedi, E.M., Gordon, D.E., Burns, J.M., and Lish, P.M. Thirteen week oral (diet) toxicity study of trinitrotoluene (TNT), hexahydro-1,3,5-trinitro-1, 3,5-triazine (RDX) and TNT/RDX mixtures in the Fischer 344 rat. IITRI Final Report No. L6116/L6121, Study No. 1.

3. Levine, B.S., Rust, J.H., Burns, J.M. and Lish, P.M. Twenty-six week subchronic oral toxicity study of trinitrotoluene (TNT) in the Beagle dog. IITRI Final Report No. L6116, Study No. 5.

TABLES

Table 3

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
1	1.27 + 0.20 (75)	9.16 + 1.58 (75)	65.18 + 11.57 (75)
2	1.58 + 0.27 (75)	9.13 + 1.09 (75)	59.73 ± 10.18 (75)
3	1.64 + 0.27 (75)	10.73 + 1.23 (75)	90.39 + 19.37 (75)
4	1.40 + 0.21 (75)	10.66 + 1.17 (75)	68.80 + 14.76 (75)
5	1.58 ± 0.27 (75)	11.72 + 1.37 (75)	73.95 ± 10.37 (75)
6	1.50 + 0.23 (75)	8.79 + 1.03 (75)	64.17 ± 7.86 (75)
7	1.46 ± 0.24 (75)	9.97 + 1.12 (75)	73.25 ± 10.79 (75)
8	1.45 + 0.20 (75)	10.37 ± 1.06 (75)	78.18 ± 12.54 (75)
9	1.33 + 0.19 (70)	9.57 + 1.31 (75)	66.41 + 10.05 (75)
10	1.46 ± 0.19 (75)	10.38 ± 1.52 (75)	64.81 ± 10.15 (75)
11	1.66 ± 0.19 (75)	9.69 ± 1.05 (73)	67.92 ± 8.89 (75)
12	1.23 ± 0.16 (75)	8.42 ± 0.90 (73)	65.34 ± 8.07 (75)
13	1.53 ± 0.22 (75)	10.23 ± 1.56 (73)	73.68 ± 10.54 (75)
15	1.56 ± 0.25 (75)	10.21 ± 1.70 (73)	67.51 ± 7.26 (75)
17	1.40 ± 0.23 (75)	9.90 ± 1.28 (73)	75.63 ± 7.44 (75)

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
19	1.41 ± 0.18 (75)	9.93 ± 1.60 (73)	63.98 ± 8.56 (75)
21	1.77 ± 0.32 (75)	11.84 ± 2.36 (73)	82.17 ± 10.17 (75)
23	1.31 ± 0.20 (70)	8.66 ± 1.21 (73)	64.64 ± 7.93 (75)
25	1.59 ± 0.28 (75)	10.46 ± 1.54 (73)	75.13 ± 10.17 (75)
27	1.55 ± 0.27 (68)	10.14 ± 1.57 (64)	69.87 ± 11.81 (68)
29	1.51 ± 0.30 (65)	9.46 ± 1.33 (63)	69.30 ± 11.48 (65)
31	1.54 ± 0.28 (65)	9.52 ± 1.38 (63)	69.72 ± 8.74 (65)
33	1.57 ± 0.29 (65)	11.02 ± 1.53 (63)	70.74 ± 10.78 (65)
35	1.49 ± 0.23 (65)	9.19 ± 1.47 (63)	63.95 ± 8.13 (65)
37	1.42 ± 0.20 (65)	10.81 ± 1.45 (63)	72.87 ± 9.78 (65)
39	1.49 ± 0.23 (65)	9.88 ± 1.57 (63)	70.93 ± 8.98 (65)
41	1.59 ± 0.28 (65)	11.24 ± 1.84 (63)	76.09 ± 11.46 (65)
43	1.59 ± 0.28 (65)	10.07 ± 1.60 (63)	69.38 ± 9.55 (65)
45	1.44 ± 0.23 (64)	10.12 ± 1.41 (63)	67.76 ± 8.71 (65)
47	1.65 ± 0.38 (64)	10.34 ± 1.53 (63)	74.60 ± 9.84 (64)

Table [illegible] (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
49	1.[illegible]6 ± 0.23 (60)	10.39 ± 1.44 (62)	66.01 ± 8.57 (6[illegible])
51	1.[illegible]3 ± 0.20 (63)	10.11 ± 1.57 (62)	71.72 ± 12.05 (6[illegible])
53	1.[illegible] ± 0.15 (53)	10.26 ± 1.43 (52)	74.63 ± 18.44 (5[illegible])
55	1.50 ± 0.20 (53)	10.11 ± 1.52 (52)	68.04 ± 12.23 (53)
57	1.49 ± 0.20 (53)	10.02 ± 1.37 (52)	68.87 ± 12.69 (53)
59	1.[illegible] ± 0.26 (53)	9.63 ± 1.20 (52)	70.24 ± 15.61 (53)
61	1.58 ± 0.34 (53)	10.05 ± 1.51 (52)	79.44 ± 16.51 (53)
63	1.[illegible] ± 0.36 (53)	10.00 ± 1.34 (52)	63.15 ± 11.12 (53)
65	1.55 ± 0.19 (53)	9.87 ± 1.25 (52)	71.11 ± 16.55 (53)
67	1.63 ± 0.19 (52)	10.93 ± 1.56 (52)	82.45 ± 15.97 (52)
69	1.[illegible] ± 0.15 (52)	9.[illegible]3 ± 1.28 (52)	64.12 ± 10.64 (52)
71	1.53 ± 0.20 (52)	10.41 ± 1.59 (52)	72.08 ± 10.70 (51)
73	1.71 ± 0.26 (50)	10.55 ± 1.56 (52)	79.72 ± 16.36 (50)
75	1.48 ± 0.17 (50)	9.79 ± 1.45 (52)	67.42 ± 11.78 (50)
77	1.46 ± 0.25 (50)	10.01 ± 1.48 (52)	70.39 ± 10.81 (50)

Test I (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
79	1.65 ± 0.22 (50)	10.83 ± 1.50 (52)	75.87 ± 10.63 (50)
81	1.41 ± 0.16 (49)	9.24 ± 1.57 (48)	64.33 ± 8.47 (50)
83	1.76 ± 0.37 (48)	10.56 ± 1.38 (51)	70.09 ± 10.24 (50)
85	1.44 ± 0.23 (48)	10.45 ± 1.51 (50)	79.28 ± 11.86 (50)
87	1.56 ± 0.25 (48)	9.53 ± 1.65 (50)	67.90 ± 11.11 (50)
89	1.55 ± 0.25 (48)	10.00 ± 1.71 (50)	70.67 ± 10.79 (50)
91	1.58 ± 0.22 (47)	11.16 ± 2.01 (50)	68.62 ± 10.89 (50)
93	1.58 ± 0.24 (46)	9.18 ± 1.84 (46)	70.72 ± 13.02 (50)
95	1.58 ± 0.24 (45)	11.22 ± 2.66 (47)	77.72 ± 12.90 (49)
97	1.63 ± 0.29 (45)	10.72 ± 3.05 (47)	66.36 ± 10.07 (42)
99	1.58 ± 0.30 (45)	10.85 ± 2.75 (46)	75.52 ± 14.58 (46)
101	1.59 ± 0.31 (45)	10.40 ± 2.41 (45)	73.96 ± 14.50 (45)
103	1.27 ± 0.21 (44)	9.14 ± 1.64 (40)	69.06 ± 15.78 (43)
104	1.32 ± 0.24 (43)	9.56 ± 1.97 (40)	73.43 ± 17.65 (43)

COMBINED DOSAGE MEASUREMENTS ACROSS TIME (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

SEX GROUP	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
MALES	1.509 ± 0.268 (3582)	10.10 ± 1.710 (3563)	70.90 ± 12.89 (3615)
FEMALES	1.505 ± 0.300 (3624)	10.01 ± 1.902 (3655)	71.44 ± 17.16 (3682)
COMBINED	1.507 ± 0.285 (7206)	10.05 ± 1.810 (7218)	71.17 ± 15.20 (7297)

Table 2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
(MEAN AND STANDARD DEVIATION (n))

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
1	1.44 ± 0.26 (75)	10.54 ± 1.60 (75)	64.05 ± 11.33 (75)
2	1.47 ± 0.23 (75)	9.95 ± 1.83 (75)	79.74 ± 14.80 (75)
3	1.76 ± 0.29 (75)	12.70 ± 2.00 (75)	110.47 ± 22.31 (75)
4	1.54 ± 0.33 (75)	9.36 ± 1.36 (75)	71.46 ± 12.94 (70)
5	1.43 ± 0.17 (75)	9.28 ± 1.55 (75)	68.86 ± 15.69 (75)
6	1.39 ± 0.23 (75)	9.97 ± 1.88 (75)	58.79 ± 10.14 (75)
7	1.34 ± 0.21 (75)	10.73 ± 1.97 (75)	73.24 ± 17.35 (75)
8	1.45 ± 0.23 (75)	9.48 ± 2.24 (75)	67.15 ± 15.27 (75)
9	1.64 ± 0.28 (75)	9.24 ± 1.48 (75)	80.94 ± 13.24 (75)
10	1.34 ± 0.23 (75)	8.76 ± 1.59 (75)	59.52 ± 9.12 (75)
11	1.62 ± 0.17 (70)	10.75 ± 2.33 (75)	73.77 ± 11.84 (75)
12	1.39 ± 0.17 (75)	8.55 ± 1.52 (75)	62.10 ± 8.95 (75)
13	1.49 ± 0.21 (74)	10.02 ± 1.55 (75)	61.66 ± 6.83 (75)
15	1.48 ± 0.19 (74)	10.50 ± 1.84 (75)	83.53 ± 12.63 (75)
17	1.50 ± 0.23 (74)	9.49 ± 1.68 (75)	66.15 ± 9.02 (75)

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
19	1.38 ± 0.17 (74)	9.85 ± 1.41 (75)	72.00 ± 10.01 (75)
21	2.04 ± 0.32 (74)	13.25 ± 2.14 (75)	80.94 ± 13.43 (75)
23	1.15 ± 0.15 (74)	7.63 ± 1.07 (70)	55.14 ± 5.31 (75)
25	1.52 ± 0.19 (74)	10.82 ± 1.58 (70)	71.06 ± 9.84 (75)
27	1.61 ± 0.24 (67)	10.89 ± 2.27 (68)	83.28 ± 14.68 (68)
29	1.25 ± 0.23 (64)	8.08 ± 1.15 (65)	55.60 ± 9.74 (65)
31	1.68 ± 0.32 (64)	11.48 ± 1.73 (65)	87.17 ± 19.56 (65)
33	1.45 ± 0.27 (64)	8.93 ± 1.48 (65)	59.93 ± 8.75 (65)
35	1.43 ± 0.27 (64)	9.52 ± 1.53 (65)	72.77 ± 11.03 (65)
37	1.54 ± 0.27 (64)	10.36 ± 1.49 (65)	73.87 ± 11.26 (65)
39	1.50 ± 0.24 (64)	9.81 ± 1.43 (65)	66.50 ± 11.65 (65)
41	1.55 ± 0.28 (64)	10.28 ± 1.54 (65)	85.30 ± 14.72 (65)
43	1.64 ± 0.31 (64)	10.22 ± 1.41 (65)	71.27 ± 12.36 (65)
45	1.36 ± 0.21 (64)	8.90 ± 1.40 (65)	56.74 ± 8.54 (65)
47	1.72 ± 0.36 (64)	12.34 ± 2.12 (64)	93.21 ± 21.71 (65)

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
(MEAN AND STANDARD DEVIATION (n))

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
49	1.48 ± 0.28 (64)	9.35 ± 1.46 (64)	66.96 ± 13.20 (64)
51	1.44 ± 0.23 (64)	9.59 ± 1.68 (64)	58.59 ± 10.40 (64)
53	1.63 ± 0.31 (54)	11.16 ± 1.42 (54)	87.41 ± 17.05 (54)
55	1.60 ± 0.39 (53)	9.54 ± 1.24 (54)	71.74 ± 13.90 (54)
57	1.51 ± 0.32 (53)	10.17 ± 1.47 (54)	68.63 ± 15.67 (54)
59	1.36 ± 0.31 (53)	9.09 ± 1.16 (54)	61.46 ± 12.53 (54)
61	1.75 ± 0.28 (53)	10.93 ± 1.34 (54)	73.40 ± 14.63 (54)
63	1.32 ± 0.34 (53)	8.72 ± 1.07 (53)	75.48 ± 15.26 (54)
65	1.5 ± 0.34 (53)	10.10 ± 1.59 (53)	65.78 ± 12.57 (50)
67	1.62 ± 0.35 (53)	10.39 ± 1.38 (53)	81.15 ± 16.28 (54)
69	1.46 ± 0.33 (53)	9.75 ± 1.36 (53)	67.26 ± 13.98 (54)
71	1.53 ± 0.27 (53)	10.06 ± 1.33 (53)	66.94 ± 13.32 (54)
73	1.66 ± 0.27 (53)	11.39 ± 1.68 (53)	76.56 ± 15.55 (53)
75	1.41 ± 0.23 (53)	9.35 ± 1.32 (53)	69.22 ± 12.06 (53)
77	1.49 ± 0.26 (53)	9.55 ± 1.38 (53)	68.26 ± 11.44 (52)

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
79	1.53 ± 0.27 (53)	10.97 ± 1.65 (53)	76.79 ± 11.48 (52)
81	1.39 ± 0.21 (52)	9.26 ± 1.47 (53)	72.93 ± 13.83 (52)
83	1.52 ± 0.28 (53)	9.34 ± 1.49 (53)	67.37 ± 11.93 (52)
85	1.55 ± 0.35 (51)	10.10 ± 1.60 (53)	70.74 ± 11.95 (52)
87	1.50 ± 0.30 (51)	9.97 ± 1.38 (52)	74.98 ± 14.98 (52)
89	1.56 ± 0.29 (51)	9.31 ± 1.31 (51)	69.93 ± 15.49 (52)
91	1.50 ± 0.23 (50)	11.14 ± 1.58 (51)	68.09 ± 14.70 (52)
93	1.36 ± 0.22 (50)	9.67 ± 1.38 (50)	82.41 ± 20.81 (52)
95	1.54 ± 0.31 (50)	10.02 ± 1.35 (49)	67.92 ± 20.47 (51)
97	1.40 ± 0.22 (48)	10.07 ± 1.39 (48)	59.06 ± 13.93 (52)
99	1.56 ± 0.32 (47)	9.82 ± 1.50 (47)	80.75 ± 19.34 (52)
101	1.62 ± 0.31 (46)	9.97 ± 1.45 (47)	69.71 ± 15.64 (52)
103	1.44 ± 0.26 (43)	9.64 ± 1.69 (47)	61.53 ± 16.61 (50)
105	1.48 ± 0.28 (41)	9.96 ± 1.58 (47)	63.12 ± 15.15 (49)

COMBINED DOSAGE MEASUREMENTS ACROSS TIME (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

SEX GROUP	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
MALES	1.509 ± 0.268 (3582)	10.10 ± 1.710 (3563)	70.90 ± 12.89 (3615)
FEMALES	1.505 ± 0.300 (3624)	10.01 ± 1.902 (3655)	71.44 ± 17.16 (3682)
COMBINED	1.507 ± 0.285 (7206)	10.05 ± 1.810 (7218)	71.17 ± 15.20 (7297)

Table 3

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE IN THE B6C3F1 MOUSE.

TEST DIET CONCENTRATION OF TNT

TEST WEEK	DOSE (mg/kg/day)	SEX	% INTENDED	% ANALYSED	% REL. SD	$\frac{A}{I}$ x 100	
1	10.0	F	0.0048	0.00473	14.2	98	
1	1.5	M	0.0006	0.00052	21.2	87	
8	70.0	M	0.0394	0.0349	4.0	89	
8	1.5	F	0.0008	0.00075	9.3	94	
14	70.0	F	0.0427	0.0370	19.4	87	
14	10.0	M	0.0065	0.00736	47.0	113	
20	10.0	F	0.0066	0.01338	76.1	203	
20	1.5	M	0.0010	0.00085	50.6	85	
26	1.5	F	0.0011	0.00124	54.8	113	
26	70.0	M	0.0438	0.0489	19.0	112	
32	10.0	M	0.0073	0.00616	7.6	84	
32	70.0	F	0.0528	0.0468	6.4	87	
38	1.5	M	0.0012	0.00089	11.2	74	
38	10.0	F	0.0090	0.00769	8.1	85	
44	70.0	M	0.0482	0.0447	2.6	93	(73)*
44	1.5	F	0.0014	0.00132	17.4	94	
50	70.0	F	0.0425	0.0420	3.6	99	
50	10.0	M	0.0085	0.00774	6.4	91	
57	10.0	F	0.0094	0.00924	8.9	98	
57	1.5	M	0.0013	0.00106	10.4	81	
61	70.0	M	0.0526	0.0497	4.8	94	
61	1.5	F	0.0016	0.00149	8.0	93	
67	70.0	F	0.0640	0.0635	5.7	99	
67	10.0	M	0.0100	0.00985	5.5	98	
74	1.5	M	0.0015	0.00153	7.2	102	
74	10.0	F	0.0109	0.01027	3.9	94	
79	1.5	F	0.0015	0.00154	4.5	103	
79	70.0	M	0.0547	0.0548	2.0	100	
85	70.0	F	0.0589	0.0554	5.6	94	
85	10.0	M	0.0090	0.0081	4.2	90	
91	1.5	M	0.0014	0.00126	16.7	90	
91	10.0	F	0.0114	0.01018	5.0	89	
97	70.0	M	0.0493	0.0517	6.8	105	
97	1.5	F	0.0014	0.00138	9.4	98	
104	10.0	M	0.0081	0.00766	2.7	95	
104	70.0	F	0.0474	0.0423	3.5	89	

* Diets stability test after they were one week in the animal cages.

TABLE 4

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

MEAN SURVIVAL TIME*

DOSE (mg/kg/day)	SEX	MEAN SURVIVAL TIME (WEEKS)
0.0	M	99.6 ± 1.6
	F	99.4 ± 1.5
1.5	M	98.9 ± 1.8
	F	100.3 ± 1.7
10.0	M	99.2 ± 2.1
	F	101.3 ± 1.3
70.0	M	99.8 ± 1.7
	F	102.2 ± 1.3

* No significant differences between control and treatment groups, $p<0.05$.

Table 5

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE BODY WEIGHT VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
-2	21.0 ± 1.7 (75)	20.9 ± 1.9 (75)	20.9 ± 1.9 (75)	21.0 ± 1.9 (75)
-1	22.8 ± 1.8 (75)	22.6 ± 1.9 (75)	22.9 ± 2.0 (75)	22.7 ± 2.0 (75)
1	24.4 ± 1.8 (75)	24.3 ± 2.0 (75)	24.3 ± 1.9 (75)	24.1 ± 1.9 (75)
2	25.8 ± 1.7 (75)	25.4 ± 2.2 (75)	25.7 ± 2.0 (75)	25.5 ± 2.0 (75)
3	26.8 ± 1.7 (75)	26.7 ± 2.2 (75)	26.7 ± 2.0 (75)	26.3 ± 2.1 (75)
4	28.2 ± 1.8 (75)	27.9 ± 2.2 (75)	27.9 ± 2.2 (75)	27.6 ± 2.1 (75)
5	28.6 ± 1.8 (75)	28.5 ± 2.2 (75)	28.5 ± 2.2 (75)	28.0 ± 2.0 (75)
6	29.8 ± 1.9 (75)	29.4 ± 2.2 (75)	29.7 ± 2.3 (75)	28.9 ± 2.1 (75)
7	30.2 ± 1.8 (75)	30.1 ± 2.2 (75)	30.3 ± 2.4 (75)	29.5 ± 2.1 (75)
8	30.7 ± 1.9 (75)	30.9 ± 2.2 (75)	30.7 ± 2.4 (75)	30.0 ± 2.1 (75)
9	31.1 ± 2.0 (75)	31.1 ± 2.2 (75)	30.9 ± 2.5 (75)	30.3 ± 2.1 (75)
10	31.6 ± 2.1 (75)	31.7 ± 2.3 (75)	31.3 ± 2.5 (75)	30.8 ± 2.1 (75)
11	32.1 ± 2.1 (75)	32.0 ± 2.4 (75)	31.7 ± 2.6 (73)	31.2 ± 2.2 (75)*
12	32.7 ± 2.3 (75)	32.6 ± 2.5 (75)	32.5 ± 2.7 (73)	31.8 ± 2.3 (75)
13	32.4 ± 2.3 (75)	32.2 ± 2.4 (75)	31.9 ± 2.8 (73)	31.4 ± 2.1 (75)*
15	33.0 ± 2.2 (75)	33.4 ± 2.5 (75)	32.9 ± 2.9 (73)	32.3 ± 2.3 (75)
17	33.7 ± 2.3 (75)	34.0 ± 2.7 (75)	33.6 ± 2.9 (73)	32.6 ± 2.1 (75)*
19	33.9 ± 2.6 (75)	34.5 ± 2.8 (75)	34.0 ± 3.2 (73)	33.3 ± 2.4 (75)
21	34.5 ± 2.6 (75)	34.7 ± 2.9 (75)	34.3 ± 3.4 (73)	33.1 ± 2.4 (75)*
23	35.3 ± 2.8 (75)	35.5 ± 3.0 (75)	35.2 ± 3.3 (73)	34.1 ± 2.5 (75)*
25	35.4 ± 3.2 (75)	35.9 ± 3.0 (75)	35.2 ± 3.7 (73)	34.0 ± 2.5 (75)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 5 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE BODY WEIGHT VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
27	36.1 ± 3.4 (69)	36.6 ± 3.2 (68)	36.2 ± 3.8 (67)	34.7 ± 2.8 (68)*
29	37.0 ± 3.7 (65)	37.1 ± 3.2 (65)	36.4 ± 3.9 (63)	34.9 ± 2.9 (65)*
31	37.8 ± 4.0 (65)	37.7 ± 3.4 (65)	37.4 ± 4.0 (63)	35.5 ± 3.1 (65)*
33	37.7 ± 3.9 (65)	37.6 ± 3.4 (65)	36.9 ± 4.0 (63)	35.2 ± 3.0 (65)*
35	38.6 ± 3.8 (65)	38.[illegible] ± 3.6 (65)	38.2 ± 4.1 (63)	36.1 ± 3.2 (65)*
37	38.9 ± 4.2 (65)	39.1 ± 3.7 (65)	38.3 ± 4.3 (63)	36.0 ± 3.5 (65)*
39	39.6 ± 4.2 (65)	39.5 ± 3.8 (65)	39.1 ± 4.4 (63)	36.3 ± 3.5 (65)*
41	40.0 ± 4.0 (64)	39.8 ± 3.8 (65)	39.1 ± 4.3 (63)	36.5 ± 3.7 (65)*
43	39.7 ± 4.1 (64)	39.3 ± 4.5 (65)	38.9 ± 4.5 (63)	36.2 ± 3.5 (65)*
45	40.2 ± 4.3 (64)	40.1 ± 3.9 (64)	39.2 ± 4.3 (63)	36.8 ± 3.5 (65)*
47	40.8 ± 4.2 (64)	40.5 ± 4.0 (64)	39.4 ± 4.3 (63)	36.8 ± 3.7 (64)*
49	40.8 ± 4.2 (64)	40.7 ± 3.6 (63)	40.0 ± 4.3 (62)	37.1 ± 3.5 (64)*
51	40.7 ± 4.3 (63)	40.3 ± 3.6 (63)	39.7 ± 4.5 (62)	36.7 ± 3.7 (64)*
53	41.5 ± 4.5 (53)	41.3 ± 3.8 (53)	40.2 ± 4.8 (52)	37.2 ± 3.9 (54)*
55	41.4 ± 4.7 (53)	41.2 ± 4.0 (53)	40.0 ± 4.8 (52)	37.3 ± 4.0 (53)*
57	41.7 ± 4.6 (53)	41.4 ± 4.2 (53)	40.2 ± 4.8 (52)	37.6 ± 4.0 (53)*
59	42.5 ± 4.7 (53)	41.9 ± 4.4 (53)	41.0 ± 4.8 (52)	38.0 ± 4.2 (53)*
61	42.6 ± 4.7 (53)	42.3 ± 4.2 (53)	41.2 ± 4.7 (52)	37.8 ± 4.3 (53)*
63	43.0 ± 4.7 (53)	42.8 ± 4.1 (53)	41.8 ± 4.6 (52)	38.5 ± 4.3 (53)*
65	43.2 ± 4.7 (53)	42.9 ± 4.0 (53)	41.8 ± 4.7 (52)	38.5 ± 4.5 (53)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 5 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE BODY WEIGHT VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
67	43.1 ± 4.9 (53)	42.8 ± 3.8 (52)	41.8 ± 4.7 (52)	35.1 ± 4.3 (52)*
69	43.0 ± 4.7 (53)	42.7 ± 3.8 (52)	41.6 ± 4.7 (52)	37.6 ± 4.4 (52)*
71	43.1 ± 4.8 (53)	42.7 ± 3.8 (52)	41.4 ± 4.8 (52)	37.9 ± 4.5 (51)*
73	42.5 ± 4.8 (53)	42.2 ± 4.0 (50)	41.0 ± 4.8 (52)	37.5 ± 4.3 (50)*
75	42.9 ± 4.8 (52)	42.4 ± 3.9 (50)	41.0 ± 4.7 (52)	37.4 ± 4.4 (50)*
77	42.4 ± 4.9 (52)	42.1 ± 4.1 (50)	40.8 ± 4.6 (52)	37.1 ± 4.1 (50)*
79	41.2 ± 4.6 (52)	40.9 ± 4.0 (50)	40.0 ± 4.6 (52)	36.4 ± 3.9 (50)*
81	42.3 ± 4.9 (50)	42.0 ± 4.2 (49)	41.2 ± 4.7 (52)	37.7 ± 4.0 (50)*
83	42.6 ± 4.9 (50)	42.5 ± 4.0 (48)	41.4 ± 4.8 (51)	37.6 ± 4.1 (50)*
85	42.4 ± 5.1 (49)	42.3 ± 4.2 (48)	41.1 ± 5.0 (50)	37.5 ± 4.0 (50)*
87	42.2 ± 4.9 (49)	42.2 ± 4.1 (48)	40.9 ± 5.0 (50)	37.4 ± 3.9 (50)*
89	42.1 ± 5.1 (48)	42.1 ± 4.1 (48)	40.8 ± 4.9 (50)	37.6 ± 4.0 (50)*
91	41.6 ± 5.1 (47)	42.0 ± 3.8 (47)	40.2 ± 5.1 (50)	37.2 ± 4.0 (50)*
93	41.2 ± 5.0 (47)	41.8 ± 4.2 (46)	39.9 ± 5.3 (50)	37.7 ± 4.2 (50)*
95	40.9 ± 4.9 (46)	41.8 ± 4.0 (45)	39.7 ± 4.8 (47)	37.4 ± 4.3 (49)*
97	40.7 ± 5.2 (46)	41.4 ± 4.2 (45)	39.2 ± 5.1 (47)	36.7 ± 4.2 (48)*
99	40.3 ± 5.0 (46)	41.3 ± 4.0 (45)	39.1 ± 5.0 (46)	36.5 ± 3.8 (46)*
101	40.2 ± 4.8 (44)	40.9 ± 4.0 (45)	39.0 ± 4.5 (45)	36.1 ± 3.7 (45)*
103	39.7 ± 5.1 (43)	40.6 ± 4.2 (44)	38.6 ± 4.5 (43)	35.7 ± 3.7 (43)*
104	39.4 ± 5.0 (43)	40.6 ± 4.1 (43)	38.7 ± 4.2 (43)	36.0 ± 3.6 (43)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 6

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE BODY WEIGHT GAIN VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
1	1.6 ± 0.4 (75)	1.7 ± 0.5 (75)	1.5 ± 0.7 (75)	1.4 ± 0.5 (75)*
2	3.0 ± 0.6 (75)	2.9 ± 1.1 (75)	2.9 ± 0.6 (75)	2.8 ± 0.6 (75)
3	4.0 ± 0.7 (75)	4.2 ± 0.8 (75)	3.8 ± 0.6 (75)	3.5 ± 0.8 (75)*
4	5.4 ± 0.9 (75)	5.4 ± 0.9 (75)	5.1 ± 0.8 (75)*	4.8 ± 0.9 (75)*
5	5.9 ± 1.0 (75)	5.9 ± 1.0 (75)	5.6 ± 1.0 (75)	5.3 ± 1.0 (75)*
6	7.1 ± 1.0 (75)	6.8 ± 1.2 (75)	6.8 ± 0.9 (75)	6.1 ± 1.1 (75)*
7	7.5 ± 1.1 (75)	7.6 ± 1.2 (75)	7.4 ± 1.1 (75)	6.7 ± 1.1 (75)*
8	7.9 ± 1.2 (75)	8.3 ± 1.2 (75)	7.9 ± 1.2 (75)	7.3 ± 1.1 (75)*
9	8.3 ± 1.2 (75)	8.5 ± 1.3 (75)	8.0 ± 1.2 (75)	7.6 ± 1.0 (75)*
10	8.9 ± 1.3 (75)	9.1 ± 1.3 (75)	8.5 ± 1.3 (75)	8.1 ± 1.2 (75)*
11	9.3 ± 1.4 (75)	9.4 ± 1.4 (75)	8.9 ± 1.3 (73)	8.4 ± 1.2 (75)*
12	9.9 ± 1.4 (75)	10.0 ± 1.5 (75)	9.7 ± 1.4 (73)	9.1 ± 1.3 (75)*
13	9.6 ± 1.5 (75)	9.7 ± 1.4 (75)	9.1 ± 1.5 (73)	8.7 ± 1.3 (75)*
15	10.3 ± 1.6 (75)	10.8 ± 1.6 (75)	10.1 ± 1.7 (73)	9.6 ± 1.3 (75)*
17	11.0 ± 1.6 (75)	11.4 ± 1.8 (75)	10.7 ± 1.8 (73)	9.9 ± 1.4 (75)*
19	11.2 ± 1.7 (75)	11.9 ± 1.8 (75)*	11.1 ± 2.0 (73)	10.5 ± 1.4 (75)
21	11.8 ± 1.7 (75)	12.1 ± 2.1 (75)	11.5 ± 2.2 (73)	10.4 ± 1.5 (75)*
23	12.6 ± 2.0 (75)	13.0 ± 2.3 (75)	12.4 ± 2.3 (73)	11.4 ± 1.6 (75)*
25	12.7 ± 2.4 (75)	13.4 ± 2.4 (75)	12.4 ± 2.6 (73)	11.3 ± 1.7 (75)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table C (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE BODY WEIGHT GAIN VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
27	13.3 ± 2.5 (69)	14.1 ± 2.3 (68)	13.2 ± 2.8 (67)	11.9 ± 1.9 (68)*
29	14.1 ± 2.8 (65)	14.6 ± 2.5 (65)	13.6 ± 2.9 (63)	12.2 ± 2.0 (65)*
31	14.9 ± 3.1 (65)	15.1 ± 2.6 (65)	14.5 ± 3.0 (63)	12.8 ± 2.1 (65)*
33	14.8 ± 3.0 (65)	15.0 ± 2.7 (65)	14.0 ± 3.0 (63)	12.5 ± 2.1 (65)*
35	15.7 ± 2.9 (65)	16.0 ± 2.9 (65)	15.3 ± 3.2 (63)	13.4 ± 2.2 (65)*
37	16.0 ± 3.2 (65)	16.5 ± 2.9 (65)	15.5 ± 3.3 (63)	13.3 ± 2.6 (65)*
39	16.6 ± 3.2 (65)	17.0 ± 3.0 (65)	16.2 ± 3.5 (63)	13.6 ± 2.6 (65)*
41	17.0 ± 3.0 (64)	17.3 ± 3.0 (65)	16.2 ± 3.4 (63)	13.9 ± 2.8 (65)*
43	16.7 ± 3.0 (64)	16.8 ± 3.7 (65)	16.0 ± 3.6 (63)	13.5 ± 2.6 (65)*
45	17.3 ± 3.2 (64)	17.5 ± 3.1 (64)	16.3 ± 3.5 (63)	14.1 ± 2.6 (65)*
47	17.8 ± 3.2 (64)	17.9 ± 3.3 (64)	16.5 ± 3.5 (63)	14.1 ± 2.9 (64)*
49	17.8 ± 3.2 (64)	18.1 ± 2.8 (63)	17.0 ± 3.6 (62)	14.4 ± 2.8 (64)*
51	17.7 ± 3.3 (63)	17.8 ± 2.7 (63)	16.7 ± 3.7 (62)	14.0 ± 2.8 (64)*
53	18.6 ± 3.5 (53)	18.6 ± 2.8 (53)	17.2 ± 3.9 (52)	14.5 ± 3.0 (54)*
55	18.5 ± 3.7 (53)	18.6 ± 3.0 (53)	17.1 ± 3.9 (52)	14.6 ± 3.1 (53)*
57	18.8 ± 3.6 (53)	18.8 ± 3.3 (53)	17.2 ± 3.9 (52)	14.9 ± 3.1 (53)*
59	19.6 ± 3.7 (53)	19.3 ± 3.4 (53)	18.1 ± 3.8 (52)	15.3 ± 3.1 (53)*
61	19.7 ± 3.7 (53)	19.7 ± 3.2 (53)	18.2 ± 3.7 (52)	15.1 ± 3.4 (53)*
63	20.1 ± 3.7 (53)	20.2 ± 3.1 (53)	18.8 ± 3.7 (52)	15.8 ± 3.3 (53)*
65	20.3 ± 3.7 (53)	20.3 ± 3.0 (53)	18.8 ± 3.8 (52)	15.7 ± 3.6 (53)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 6 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE BODY WEIGHT GAIN VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
67	20.1 ± 4.0 (53)	20.2 ± 2.8 (52)	18.8 ± 3.9 (52)	15.4 ± 3.5 (52)*
69	20.1 ± 3.9 (53)	20.1 ± 2.8 (52)	18.6 ± 3.7 (52)	14.9 ± 3.5 (52)*
71	20.1 ± 4.0 (53)	20.1 ± 2.8 (52)	18.4 ± 3.9 (52)*	15.2 ± 3.6 (51)*
73	19.6 ± 4.0 (53)	19.6 ± 3.0 (50)	18.0 ± 3.9 (52)	14.7 ± 3.6 (50)*
75	20.0 ± 3.9 (52)	19.8 ± 2.9 (50)	18.0 ± 3.8 (52)*	14.6 ± 3.7 (50)*
77	19.5 ± 4.0 (52)	19.5 ± 3.1 (50)	17.8 ± 3.8 (52)*	14.3 ± 3.5 (50)*
79	18.3 ± 3.8 (52)	18.3 ± 3.1 (50)	17.0 ± 3.6 (52)	13.6 ± 3.2 (50)*
81	19.4 ± 3.9 (50)	19.4 ± 3.4 (49)	18.2 ± 3.8 (52)	14.9 ± 3.4 (50)*
83	19.6 ± 4.0 (50)	20.0 ± 3.1 (48)	18.5 ± 3.9 (51)	14.8 ± 3.6 (50)*
85	19.4 ± 4.2 (49)	19.7 ± 3.3 (48)	18.1 ± 4.1 (50)	14.7 ± 3.5 (50)*
87	19.2 ± 4.1 (49)	19.6 ± 3.3 (48)	18.0 ± 4.1 (50)	14.6 ± 3.4 (50)*
89	19.1 ± 4.3 (48)	19.5 ± 3.3 (48)	17.8 ± 4.1 (50)	14.7 ± 3.6 (50)*
91	18.7 ± 4.4 (47)	19.4 ± 3.2 (47)	17.3 ± 4.3 (50)	14.4 ± 3.6 (50)*
93	18.3 ± 4.2 (47)	19.3 ± 3.5 (46)	17.0 ± 4.8 (50)	14.9 ± 3.8 (50)*
95	17.9 ± 4.3 (46)	19.2 ± 3.4 (45)	16.8 ± 4.2 (47)	14.5 ± 3.8 (49)*
97	17.7 ± 4.6 (46)	18.7 ± 3.5 (45)	16.3 ± 4.4 (47)	13.9 ± 4.1 (48)*
99	17.3 ± 4.5 (46)	18.7 ± 3.3 (45)	16.2 ± 4.4 (46)	13.7 ± 3.4 (46)*
101	17.3 ± 4.3 (44)	18.2 ± 3.2 (45)	16.1 ± 3.8 (45)	13.4 ± 3.4 (45)*
103	16.7 ± 4.6 (43)	18.0 ± 3.6 (44)	15.6 ± 3.9 (43)	13.1 ± 3.2 (43)*
104	16.4 ± 4.6 (43)	18.0 ± 3.4 (43)	15.7 ± 3.7 (43)	13.3 ± 3.1 (43)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 7

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE BODY WEIGHT VALUES (g)
[MEAN AND STANDARD DEVIATION (N)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
-2	16.6 ± 1.3 (75)	16.8 ± 1.3 (75)	16.9 ± 1.4 (75)	16.8 ± 1.5 (75)
-1	18.0 ± 1.3 (75)	17.9 ± 1.2 (75)	18.1 ± 1.3 (75)	18.1 ± 1.2 (75)
1	19.1 ± 1.3 (75)	19.0 ± 1.1 (75)	19.2 ± 1.3 (75)	19.0 ± 1.2 (75)
2	20.1 ± 1.2 (75)	19.9 ± 1.1 (75)	20.0 ± 1.3 (75)	20.0 ± 1.3 (75)
3	20.6 ± 1.3 (75)	20.6 ± 1.2 (75)	20.6 ± 1.3 (75)	20.5 ± 1.2 (75)
4	21.4 ± 1.3 (75)	21.2 ± 1.2 (75)	21.5 ± 1.5 (75)	21.2 ± 1.3 (75)
5	21.9 ± 1.2 (75)	21.7 ± 1.2 (75)	22.0 ± 1.4 (75)	21.6 ± 1.2 (75)
6	22.5 ± 1.4 (75)	22.4 ± 1.3 (75)	22.5 ± 1.3 (75)	22.2 ± 1.3 (75)
7	23.0 ± 1.5 (75)	22.9 ± 1.4 (75)	23.2 ± 1.5 (75)	22.7 ± 1.4 (75)
8	23.6 ± 1.6 (75)	23.7 ± 1.5 (75)	23.9 ± 1.6 (75)	23.2 ± 1.4 (75)
9	23.9 ± 1.6 (75)	23.9 ± 1.5 (75)	24.0 ± 1.6 (75)	23.4 ± 1.5 (75)
10	24.5 ± 1.7 (75)	24.5 ± 1.8 (75)	24.6 ± 1.9 (75)	24.1 ± 1.6 (75)
11	24.7 ± 1.9 (75)	24.8 ± 1.9 (75)	25.0 ± 1.9 (75)	24.1 ± 1.5 (75)
12	25.2 ± 1.9 (75)	25.5 ± 2.1 (75)	25.8 ± 2.2 (75)	24.7 ± 1.7 (75)
13	25.4 ± 2.1 (75)	25.4 ± 2.3 (74)	25.6 ± 2.4 (75)	24.5 ± 1.5 (75)*
15	26.0 ± 2.3 (75)	26.1 ± 2.4 (74)	26.6 ± 2.4 (75)	25.2 ± 1.7 (75)
17	26.8 ± 2.2 (75)	27.0 ± 2.5 (74)	27.4 ± 2.3 (75)	25.9 ± 1.9 (75)*
19	27.4 ± 2.5 (75)	27.4 ± 2.7 (74)	27.9 ± 2.7 (75)	26.3 ± 1.7 (75)*
21	27.7 ± 2.6 (75)	28.1 ± 2.9 (74)	28.4 ± 2.9 (75)	26.5 ± 1.9 (75)*
23	28.7 ± 2.8 (75)	28.8 ± 2.9 (74)	29.5 ± 3.1 (75)	27.7 ± 2.2 (75)
25	29.1 ± 3.1 (74)	29.6 ± 3.1 (74)	30.2 ± 3.3 (75)	27.8 ± 2.3 (75)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 7 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE BODY WEIGHT VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
27	29.6 ± 2.8 (68)	30.3 ± 3.6 (67)	30.8 ± 3.8 (68)	28.2 ± 2.4 (68)*
29	30.5 ± 3.3 (64)	31.0 ± 3.6 (64)	31.7 ± 3.6 (65)	29.2 ± 2.7 (65)
31	31.1 ± 3.3 (64)	31.7 ± 3.6 (64)	32.4 ± 3.7 (65)	29.0 ± 2.8 (65)*
33	31.3 ± 3.4 (64)	32.3 ± 3.9 (64)	32.6 ± 3.6 (65)	29.4 ± 2.9 (65)*
35	32.2 ± 3.5 (64)	33.3 ± 4.4 (64)	33.9 ± 3.8 (65)*	29.9 ± 3.2 (65)*
37	32.9 ± 3.7 (64)	33.8 ± 4.4 (64)	34.3 ± 3.7 (65)	30.2 ± 3.0 (65)*
39	33.5 ± 3.9 (64)	34.5 ± 4.4 (64)	34.8 ± 4.2 (65)	30.8 ± 3.3 (65)*
41	34.0 ± 4.0 (64)	35.2 ± 4.4 (64)	34.9 ± 3.9 (65)	31.0 ± 3.6 (65)*
43	34.1 ± 4.1 (64)	35.3 ± 4.6 (64)	35.6 ± 4.1 (65)	31.2 ± 3.6 (65)*
45	35.4 ± 4.3 (64)	36.0 ± 4.6 (64)	36.4 ± 4.3 (65)	32.1 ± 3.7 (65)*
47	35.3 ± 4.0 (64)	36.3 ± 4.6 (64)	36.3 ± 4.3 (64)	31.8 ± 3.8 (65)*
49	35.6 ± 4.2 (64)	36.8 ± 4.9 (64)	36.7 ± 4.2 (64)	32.5 ± 3.6 (64)*
51	36.0 ± 4.4 (64)	37.0 ± 5.1 (64)	37.2 ± 4.5 (64)	32.7 ± 3.9 (64)*
53	37.1 ± 4.4 (54)	38.1 ± 5.0 (54)	38.6 ± 4.3 (54)	33.1 ± 3.8 (54)*
55	37.2 ± 4.5 (54)	38.3 ± 4.8 (53)	39.1 ± 4.1 (54)	33.2 ± 3.9 (54)*
57	38.1 ± 4.6 (54)	39.1 ± 5.0 (53)	39.9 ± 4.2 (54)	34.4 ± 4.3 (54)*
59	38.6 ± 4.6 (54)	39.9 ± 5.1 (53)	40.1 ± 4.3 (54)	35.0 ± 4.2 (54)*
61	38.7 ± 5.0 (54)	40.5 ± 5.2 (53)	40.7 ± 4.5 (54)	34.8 ± 4.5 (54)*
63	39.2 ± 4.8 (54)	40.7 ± 5.3 (53)	41.6 ± 4.4 (54)*	35.4 ± 4.7 (54)*
65	39.1 ± 5.1 (54)	41.5 ± 5.6 (53)*	41.5 ± 4.7 (53)*	35.7 ± 4.8 (54)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 7 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE BODY WEIGHT VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
67	39.6 ± 4.8 (54)	41.4 ± 5.6 (53)	42.2 ± 4.4 (53)*	35.8 ± 4.9 (54)*
69	39.9 ± 4.9 (53)	41.8 ± 5.7 (53)	42.1 ± 4.9 (53)	36.2 ± 5.1 (54)*
71	40.0 ± 5.0 (53)	41.8 ± 5.9 (53)	42.3 ± 4.9 (53)	36.2 ± 4.9 (54)*
73	40.0 ± 4.9 (53)	41.6 ± 5.5 (53)	41.9 ± 4.9 (53)	36.0 ± 5.0 (53)*
75	40.1 ± 4.9 (53)	41.7 ± 5.9 (53)	42.1 ± 4.7 (53)	36.3 ± 5.2 (53)*
77	39.3 ± 5.0 (53)	41.4 ± 5.7 (53)	41.6 ± 4.7 (53)	36.2 ± 4.7 (52)*
79	38.4 ± 4.8 (53)	40.0 ± 6.0 (53)	40.9 ± 4.5 (53)*	35.4 ± 4.7 (52)*
81	39.4 ± 5.0 (52)	40.8 ± 6.1 (53)	42.0 ± 4.7 (53)*	36.4 ± 4.9 (52)*
83	39.4 ± 5.1 (52)	41.0 ± 6.0 (53)	42.5 ± 4.6 (53)*	36.8 ± 4.9 (52)*
85	39.5 ± 5.1 (50)	40.4 ± 5.9 (51)	41.7 ± 5.0 (53)	36.7 ± 5.0 (52)*
87	39.7 ± 4.8 (49)	40.7 ± 5.9 (51)	41.8 ± 4.4 (52)	36.5 ± 4.9 (52)*
89	39.4 ± 4.8 (47)	40.6 ± 5.9 (51)	41.8 ± 4.8 (51)	36.2 ± 5.0 (52)*
91	39.0 ± 5.0 (46)	40.6 ± 5.8 (50)	41.3 ± 4.8 (51)	36.1 ± 5.1 (52)*
93	39.1 ± 5.1 (46)	40.4 ± 5.4 (50)	41.5 ± 4.5 (50)*	36.0 ± 5.0 (52)*
95	39.0 ± 4.8 (44)	40.1 ± 5.4 (50)	41.4 ± 4.9 (49)	36.0 ± 4.9 (51)*
97	38.8 ± 5.2 (44)	39.4 ± 5.3 (48)	40.8 ± 5.2 (48)	35.8 ± 4.9 (52)*
99	38.2 ± 5.3 (43)	38.9 ± 5.6 (47)	40.8 ± 4.9 (47)*	35.2 ± 4.8 (52)*
101	37.1 ± 5.2 (42)	38.4 ± 5.9 (46)	40.4 ± 4.8 (47)*	35.2 ± 4.8 (52)
103	36.9 ± 5.2 (41)	38.1 ± 5.7 (43)	40.0 ± 4.9 (47)*	34.5 ± 4.9 (50)
104	37.7 ± 4.9 (39)	37.8 ± 5.7 (41)	40.2 ± 4.7 (47)*	34.8 ± 5.0 (49)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 8

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE BODY WEIGHT GAIN VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
1	1.1 ± 0.6 (75)	1.1 ± 0.6 (75)	1.1 ± 0.6 (75)	1.0 ± 0.6 (75)
2	2.1 ± 0.7 (75)	2.0 ± 0.7 (75)	2.0 ± 0.8 (75)	1.9 ± 0.8 (75)
3	2.6 ± 0.7 (75)	2.7 ± 0.7 (75)	2.6 ± 0.8 (75)	2.4 ± 0.7 (75)
4	3.4 ± 0.6 (75)	3.4 ± 0.7 (75)	3.5 ± 0.7 (75)	3.2 ± 0.7 (75)*
5	3.9 ± 0.8 (75)	3.8 ± 0.8 (75)	4.0 ± 0.9 (75)	3.6 ± 0.8 (75)
6	4.5 ± 0.8 (75)	4.5 ± 0.8 (75)	4.4 ± 0.9 (75)	4.1 ± 0.9 (75)*
7	5.0 ± 0.9 (75)	5.1 ± 0.9 (75)	5.1 ± 1.1 (75)	4.7 ± 0.9 (75)
8	5.6 ± 1.0 (75)	5.8 ± 1.0 (75)	5.8 ± 1.0 (75)	5.2 ± 0.9 (75)*
9	5.9 ± 1.0 (75)	6.1 ± 1.0 (75)	5.9 ± 1.0 (75)	5.4 ± 1.1 (75)*
10	6.5 ± 1.1 (75)	6.6 ± 1.3 (75)	6.6 ± 1.3 (75)	6.0 ± 1.1 (75)*
11	6.7 ± 1.2 (75)	6.9 ± 1.2 (75)	6.9 ± 1.2 (75)	6.1 ± 1.0 (75)*
12	7.2 ± 1.2 (75)	7.7 ± 1.4 (75)	7.7 ± 1.6 (75)*	6.6 ± 1.1 (75)*
13	7.4 ± 1.4 (75)	7.5 ± 1.5 (74)	7.5 ± 1.8 (75)	6.4 ± 1.2 (75)*
15	8.0 ± 1.6 (75)	8.2 ± 1.7 (74)	8.5 ± 1.7 (75)	7.2 ± 1.2 (75)*
17	8.8 ± 1.6 (75)	9.1 ± 1.9 (74)	9.3 ± 1.7 (75)	7.8 ± 1.4 (75)*
19	9.4 ± 2.0 (75)	9.5 ± 2.0 (74)	9.8 ± 2.0 (75)	8.2 ± 1.3 (75)*
21	9.7 ± 2.1 (75)	10.2 ± 2.3 (74)	10.4 ± 2.3 (75)	8.4 ± 1.5 (75)*
23	10.6 ± 2.2 (75)	11.0 ± 2.2 (74)	11.4 ± 2.4 (75)	9.6 ± 1.6 (75)*
25	11.2 ± 2.4 (74)	11.7 ± 2.5 (74)	12.1 ± 2.5 (75)*	9.7 ± 1.8 (75)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE BODY WEIGHT GAIN VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
27	11.7 ± 2.1 (68)	12.5 ± 2.9 (67)	12.7 ± 3.2 (68)	10.1 ± 2.0 (68)*
29	12.6 ± 2.7 (64)	13.2 ± 3.0 (64)	13.6 ± 3.0 (65)	11.2 ± 2.2 (65)*
31	13.2 ± 2.6 (64)	13.8 ± 2.9 (64)	14.2 ± 3.2 (65)	11.0 ± 2.2 (65)*
33	13.4 ± 2.8 (64)	14.5 ± 3.2 (64)	14.4 ± 3.0 (65)	11.4 ± 2.3 (65)*
35	14.3 ± 2.8 (64)	15.5 ± 3.6 (64)	15.7 ± 3.3 (65)*	11.9 ± 2.7 (65)*
37	15.0 ± 3.1 (64)	16.0 ± 3.6 (64)	16.1 ± 3.2 (65)	12.2 ± 2.4 (65)*
39	15.6 ± 3.3 (64)	16.6 ± 3.7 (64)	16.7 ± 3.5 (65)	12.7 ± 2.7 (65)*
41	16.1 ± 3.4 (64)	17.3 ± 3.7 (64)	16.8 ± 3.3 (65)	12.9 ± 3.0 (65)*
43	16.2 ± 3.5 (64)	17.4 ± 3.9 (64)	17.5 ± 3.5 (65)	13.1 ± 3.1 (65)*
45	17.5 ± 3.7 (64)	18.2 ± 3.9 (64)	18.2 ± 3.7 (65)	14.0 ± 3.2 (65)*
47	17.4 ± 3.4 (64)	18.4 ± 3.8 (64)	18.1 ± 3.7 (64)	13.8 ± 3.2 (65)*
49	17.7 ± 3.5 (64)	18.9 ± 4.1 (64)	18.6 ± 3.5 (64)	14.4 ± 3.1 (64)*
51	18.1 ± 3.8 (64)	19.1 ± 4.3 (64)	19.1 ± 3.9 (64)	14.7 ± 3.3 (64)*
53	19.1 ± 3.8 (54)	20.2 ± 4.3 (54)	20.3 ± 3.7 (54)	15.1 ± 3.2 (54)*
55	19.3 ± 3.8 (54)	20.3 ± 4.0 (53)	20.8 ± 3.4 (54)	15.2 ± 3.3 (54)*
57	20.1 ± 4.0 (54)	21.2 ± 4.3 (53)	21.6 ± 3.7 (54)	16.4 ± 3.8 (54)*
59	20.6 ± 3.9 (54)	22.0 ± 4.4 (53)	21.8 ± 3.7 (54)	17.0 ± 3.6 (54)*
61	20.8 ± 4.4 (54)	22.5 ± 4.4 (53)	22.4 ± 3.9 (54)	16.9 ± 3.9 (54)*
63	21.2 ± 4.2 (54)	22.8 ± 4.6 (53)	23.3 ± 3.9 (54)*	17.4 ± 4.1 (54)*
65	21.1 ± 4.5 (54)	23.5 ± 4.8 (53)*	23.3 ± 4.0 (53)*	17.7 ± 4.1 (54)*

* - SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE BODY WEIGHT GAIN VALUES (g)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
67	21.6 ± 4.1 (54)	23.5 ± 4.9 (53)	24.0 ± 3.8 (53)*	17.8 ± 4.3 (54)*
69	21.9 ± 4.2 (53)	23.9 ± 5.0 (53)	23.9 ± 4.4 (53)	18.2 ± 4.5 (54)*
71	22.0 ± 4.3 (53)	23.9 ± 5.2 (53)	24.0 ± 4.4 (53)	18.2 ± 4.3 (54)*
73	22.0 ± 4.3 (53)	23.6 ± 4.8 (53)	23.6 ± 4.3 (53)	18.0 ± 4.4 (53)*
75	22.2 ± 4.3 (53)	23.8 ± 5.2 (53)	23.8 ± 4.2 (53)	18.3 ± 4.6 (53)*
77	21.4 ± 4.5 (53)	23.5 ± 5.1 (53)*	23.4 ± 4.1 (53)	18.2 ± 4.1 (52)*
79	20.4 ± 4.2 (53)	22.1 ± 5.3 (53)	22.6 ± 4.0 (53)*	17.4 ± 4.1 (52)*
81	21.4 ± 4.5 (52)	22.9 ± 5.5 (53)	23.7 ± 4.2 (53)*	18.4 ± 4.3 (52)*
83	21.4 ± 4.6 (52)	23.0 ± 5.4 (53)	24.2 ± 4.0 (53)*	18.8 ± 4.4 (52)*
85	21.5 ± 4.8 (50)	22.5 ± 5.3 (51)	23.4 ± 4.6 (53)	18.6 ± 4.5 (52)*
87	21.7 ± 4.4 (49)	22.8 ± 5.3 (51)	23.6 ± 3.9 (52)	18.4 ± 4.5 (52)*
89	21.4 ± 4.4 (47)	22.7 ± 5.3 (51)	23.6 ± 4.3 (51)	18.2 ± 4.6 (52)*
91	21.1 ± 4.6 (46)	22.7 ± 5.1 (50)	23.1 ± 4.3 (51)	18.0 ± 4.7 (52)*
93	21.2 ± 4.7 (46)	22.6 ± 4.8 (50)	23.4 ± 4.1 (50)*	17.9 ± 4.6 (52)*
95	21.1 ± 4.4 (44)	22.2 ± 4.8 (50)	23.3 ± 4.5 (49)	18.0 ± 4.5 (51)*
97	20.8 ± 4.8 (44)	21.4 ± 4.8 (48)	22.6 ± 4.9 (48)	17.8 ± 4.5 (52)*
99	20.3 ± 5.0 (43)	21.0 ± 5.1 (47)	22.7 ± 4.4 (47)*	17.1 ± 4.5 (52)*
101	19.1 ± 4.9 (42)	20.5 ± 5.5 (46)	22.2 ± 4.2 (47)*	17.2 ± 4.6 (52)
103	19.0 ± 5.1 (41)	20.2 ± 5.1 (43)	21.8 ± 4.4 (47)*	16.6 ± 4.5 (50)*
104	19.7 ± 4.7 (39)	20.0 ± 5.1 (41)	22.1 ± 4.3 (47)*	16.9 ± 4.6 (49)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 9

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE FOOD CONSUMPTION VALUES (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
-2	5.4 ± 0.6 (75)	5.4 ± 0.9 (75)	5.4 ± 0.8 (70)	4.9 ± 0.6 (70)*
-1	5.9 ± 0.5 (75)	5.5 ± 0.9 (75)*	5.6 ± 0.7 (75)*	5.6 ± 0.7 (75)*
1	5.5 ± 0.6 (75)	5.1 ± 0.6 (75)*	5.0 ± 0.7 (75)*	4.6 ± 0.7 (75)*
2	6.2 ± 0.5 (75)	5.7 ± 0.8 (75)*	5.3 ± 0.5 (75)*	5.2 ± 0.7 (75)*
3	6.1 ± 0.5 (75)	5.4 ± 0.8 (75)*	5.1 ± 0.4 (75)*	5.3 ± 0.9 (75)*
4	6.1 ± 0.4 (75)	5.5 ± 0.6 (75)*	5.9 ± 0.4 (75)	5.6 ± 1.0 (75)*
5	5.4 ± 0.3 (75)	5.6 ± 0.8 (75)	5.8 ± 0.4 (75)*	5.6 ± 0.7 (75)
6	6.5 ± 0.4 (75)	5.5 ± 0.7 (75)*	5.6 ± 0.[illegible] (75)*	5.4 ± 0.5 (75)*
7	6.1 ± 0.5 (75)	5.5 ± 0.7 (75)*	5.8 ± 0.4 (75)*	5.8 ± 0.7 (75)*
8	6.4 ± 0.3 (75)	5.6 ± 0.6 (75)*	5.7 ± 0.4 (75)*	5.9 ± 0.8 (75)*
9	6.1 ± 0.3 (75)	5.2 ± 0.6 (70)*	5.6 ± 0.6 (75)*	5.7 ± 0.6 (75)*
10	6.1 ± 0.5 (75)	5.7 ± 0.5 (75)*	5.9 ± 0.6 (75)	5.6 ± 0.8 (75)*
11	6.0 ± 0.5 (75)	5.3 ± 0.4 (75)*	5.4 ± 0.4 (74)*	5.4 ± 0.6 (75)*
12	5.6 ± 0.4 (75)	5.0 ± 0.5 (75)*	5.1 ± 0.3 (73)*	5.3 ± 0.5 (75)*
13	5.8 ± 0.5 (75)	4.9 ± 0.6 (75)*	5.2 ± 0.5 (73)*	5.4 ± 0.6 (75)*
15	5.7 ± 0.5 (75)	5.2 ± 0.7 (75)*	5.2 ± 0.7 (73)*	5.3 ± 0.4 (75)*
17	5.5 ± 0.5 (75)	5.3 ± 0.7 (75)*	5.2 ± 0.5 (73)*	5.6 ± 0.4 (75)
19	5.9 ± 0.4 (75)	4.8 ± 0.5 (75)*	5.1 ± 0.6 (73)*	5.3 ± 0.6 (75)*
21	5.7 ± 0.4 (75)	5.5 ± 0.8 (75)	5.7 ± 0.9 (73)	5.8 ± 0.5 (75)
23	5.9 ± 0.4 (75)	5.1 ± 0.5 (70)*	5.3 ± 0.5 (73)*	5.7 ± 0.5 (75)
25	5.5 ± 0.6 (75)	5.2 ± 0.8 (75)*	5.2 ± 0.5 (73)*	5.8 ± 0.7 (75)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 9 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE FOOD CONSUMPTION VALUES (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
27	6.2 ± 0.9 (72)	5.1 ± 0.7 (71)*	5.3 ± 0.6 (67)*	5.8 ± 0.7 (71)*
29	5.5 ± 0.7 (65)	5.1 ± 0.8 (65)*	5.1 ± 0.4 (63)*	5.6 ± 0.7 (65)
31	5.3 ± 0.6 (65)	4.8 ± 0.6 (65)*	4.8 ± 0.4 (63)*	5.5 ± 0.4 (65)
33	5.2 ± 0.6 (65)	4.8 ± 0.6 (65)*	4.9 ± 0.3 (63)*	5.5 ± 0.6 (65)*
35	5.0 ± 0.4 (65)	4.7 ± 0.4 (65)*	4.7 ± 0.5 (63)*	5.1 ± 0.4 (65)
37	4.8 ± 0.3 (65)	4.6 ± 0.3 (65)*	4.6 ± 0.2 (63)*	4.9 ± 0.4 (65)
39	4.9 ± 0.3 (65)	4.5 ± 0.3 (65)*	4.5 ± 0.3 (63)*	4.8 ± 0.4 (65)
41	4.6 ± 0.4 (64)	4.5 ± 0.5 (65)	4.7 ± 0.5 (63)	5.0 ± 0.5 (65)*
43	4.8 ± 0.3 (64)	4.7 ± 0.3 (65)	4.7 ± 0.4 (63)	5.2 ± 0.4 (65)*
45	5.0 ± 0.5 (64)	4.8 ± 0.4 (64)*	4.7 ± 0.4 (63)*	5.1 ± 0.4 (65)
47	4.9 ± 0.4 (64)	5.1 ± 0.9 (64)	4.8 ± 0.4 (63)	5.4 ± 0.5 (64)*
49	5.0 ± 0.3 (64)	4.9 ± 0.4 (60)	4.8 ± 0.4 (62)	5.2 ± 0.4 (64)*
51	4.6 ± 0.3 (63)	4.8 ± 0.4 (63)	4.7 ± 0.4 (62)	5.1 ± 0.7 (64)*
53	4.7 ± 0.3 (53)	4.7 ± 0.2 (53)	4.7 ± 0.3 (52)	5.8 ± 1.0 (54)*
55	4.9 ± 0.5 (53)	4.6 ± 0.2 (53)*	4.6 ± 0.4 (52)*	5.5 ± 0.7 (53)*
57	4.9 ± 0.4 (53)	4.7 ± 0.2 (53)*	4.7 ± 0.3 (52)*	5.5 ± 0.6 (53)*
59	4.9 ± 0.4 (53)	4.7 ± 0.5 (53)	4.5 ± 0.2 (52)*	5.3 ± 0.8 (53)*
61	4.7 ± 0.4 (53)	4.7 ± 0.7 (53)	4.6 ± 0.5 (52)	5.6 ± 0.7 (53)*
63	4.7 ± 0.4 (53)	4.6 ± 0.8 (53)	4.4 ± 0.3 (52)*	5.3 ± 0.6 (53)*
65	4.6 ± 0.3 (53)	4.4 ± 0.3 (53)	4.3 ± 0.2 (52)*	5.1 ± 0.9 (53)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 9 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE FOOD CONSUMPTION VALUES (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
67	4.5 ± 0.2 (53)	4.6 ± 0.4 (52)	4.5 ± 0.3 (52)	5.5 ± 0.7 (52)*
69	4.6 ± 0.3 (53)	4.4 ± 0.3 (52)*	4.4 ± 0.3 (52)*	5.1 ± 0.6 (52)*
71	4.5 ± 0.3 (53)	4.3 ± 0.4 (52)*	4.5 ± 0.3 (52)	5.0 ± 0.4 (51)*
73	4.5 ± 0.4 (53)	4.8 ± 0.5 (50)*	4.7 ± 0.3 (52)	5.3 ± 0.7 (50)*
75	4.7 ± 0.3 (52)	4.8 ± 0.4 (50)	4.7 ± 0.3 (52)	5.2 ± 0.6 (50)*
77	4.5 ± 0.3 (49)	4.7 ± 0.7 (50)	4.5 ± 0.3 (52)	4.9 ± 0.5 (50)*
79	4.7 ± 0.4 (52)	4.8 ± 0.4 (50)	4.7 ± 0.4 (52)	5.0 ± 0.4 (50)*
81	4.5 ± 0.3 (50)	4.5 ± 0.3 (49)	4.3 ± 0.6 (48)	4.9 ± 0.4 (50)*
83	4.7 ± 0.3 (50)	4.9 ± 0.9 (48)	4.5 ± 0.3 (51)	4.7 ± 0.4 (50)
85	4.7 ± 0.5 (46)	4.6 ± 0.5 (48)	4.7 ± 0.3 (51)	5.0 ± 0.5 (50)*
87	4.7 ± 0.4 (49)	4.7 ± 0.6 (48)	4.5 ± 0.5 (50)	5.0 ± 0.6 (50)*
89	4.8 ± 0.5 (48)	4.6 ± 0.5 (48)	4.5 ± 0.5 (50)	5.1 ± 0.7 (50)*
91	4.7 ± 0.6 (47)	4.7 ± 0.5 (47)	4.8 ± 0.6 (50)	5.1 ± 0.7 (50)*
93	4.8 ± 0.4 (46)	4.7 ± 0.6 (46)	4.6 ± 0.6 (46)	5.2 ± 0.8 (50)*
95	4.7 ± 0.5 (46)	4.7 ± 0.5 (45)	4.8 ± 0.8 (47)	5.2 ± 0.7 (49)*
97	5.0 ± 1.0 (46)	4.8 ± 0.7 (45)	4.8 ± 1.1 (47)	4.9 ± 0.6 (42)
99	5.0 ± 0.6 (46)	5.0 ± 0.8 (45)	4.9 ± 1.0 (46)	5.2 ± 0.8 (46)
101	4.8 ± 0.5 (43)	5.0 ± 0.8 (45)	4.9 ± 0.9 (45)	5.2 ± 0.9 (45)*
103	4.6 ± 0.8 (43)	4.2 ± 0.5 (44)*	4.3 ± 0.5 (40)	4.9 ± 0.9 (44)
104	4.7 ± 0.6 (43)	4.4 ± 0.8 (43)	4.5 ± 0.6 (40)	5.2 ± 1.1 (43)*

* - SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 10

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE FOOD CONSUMPTION VALUES (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
-2	3.8 ± 0.5 (75)	3.9 ± 0.6 (75)	3.9 ± 0.5 (75)	3.8 ± 0.5 (70)
-1	4.0 ± 0.6 (75)	4.0 ± 0.8 (75)	4.6 ± 0.7 (75)*	4.1 ± 0.7 (75)
1	4.3 ± 0.6 (75)	3.9 ± 0.7 (75)*	4.2 ± 0.6 (75)	3.5 ± 0.5 (75)*
2	5.1 ± 0.5 (75)	4.2 ± 0.6 (75)*	5.0 ± 0.9 (75)	4.9 ± 0.9 (75)
3	5.1 ± 0.8 (75)	4.5 ± 0.7 (75)*	5.1 ± 0.7 (75)	5.0 ± 1.0 (75)
4	5.1 ± 0.7 (75)	4.7 ± 1.0 (75)*	5.2 ± 0.7 (75)	5.8 ± 1.0 (70)*
5	4.3 ± 0.6 (75)	4.4 ± 0.4 (75)	4.8 ± 0.7 (75)*	4.9 ± 1.1 (75)*
6	5.3 ± 0.7 (75)	4.4 ± 0.7 (75)*	5.2 ± 0.9 (75)	5.3 ± 0.9 (75)
7	4.6 ± 0.8 (75)	3.8 ± 0.5 (75)*	5.0 ± 0.9 (75)*	4.6 ± 1.0 (75)
8	4.7 ± 0.6 (75)	4.3 ± 0.6 (75)*	5.1 ± 1.1 (75)*	5.3 ± 1.1 (75)*
9	4.5 ± 0.6 (75)	3.9 ± 0.6 (75)*	4.5 ± 0.6 (75)	4.8 ± 0.7 (75)*
10	3.9 ± 0.4 (75)	4.1 ± 0.6 (75)	4.7 ± 0.7 (75)*	4.8 ± 0.6 (75)*
11	4.4 ± 0.8 (75)	4.0 ± 0.3 (70)*	4.5 ± 0.9 (75)	4.8 ± 0.7 (75)*
12	4.0 ± 0.4 (75)	3.9 ± 0.4 (75)	4.2 ± 0.6 (75)*	4.3 ± 0.5 (75)*
13	4.1 ± 0.5 (75)	3.8 ± 0.4 (74)*	4.1 ± 0.5 (75)	4.1 ± 0.4 (75)
15	4.2 ± 0.6 (75)	3.8 ± 0.4 (74)*	4.3 ± 0.6 (75)	4.6 ± 0.7 (75)*
17	4.1 ± 0.6 (75)	4.0 ± 0.4 (74)	4.2 ± 0.6 (75)	4.6 ± 0.5 (75)*
19	4.3 ± 0.5 (75)	3.8 ± 0.3 (74)*	4.1 ± 0.4 (75)	4.7 ± 0.6 (75)*
21	4.3 ± 0.5 (75)	4.7 ± 0.5 (74)*	5.2 ± 0.7 (75)*	5.5 ± 0.8 (75)*
23	4.2 ± 0.5 (75)	4.1 ± 0.3 (74)	4.4 ± 0.4 (70)*	4.9 ± 0.3 (75)*
25	4.3 ± 0.7 (74)	4.0 ± 0.3 (74)*	4.3 ± 0.4 (70)	4.6 ± 0.5 (75)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 10 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE FOOD CONSUMPTION VALUES (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
27	4.3 ± 0.6 (71)	4.4 ± 0.5 (71)	4.6 ± 0.8 (72)*	5.2 ± 0.8 (72)*
29	3.9 ± 0.3 (64)	3.8 ± 0.5 (64)	4.0 ± 0.3 (65)	4.4 ± 0.6 (65)*
31	4.2 ± 0.6 (64)	4.0 ± 0.6 (64)	4.3 ± 0.5 (65)	4.7 ± 0.9 (65)*
33	4.2 ± 0.3 (64)	3.8 ± 0.5 (64)*	4.0 ± 0.5 (65)	4.2 ± 0.4 (65)
35	4.1 ± 1.2 (64)	3.6 ± 0.4 (64)*	3.9 ± 0.4 (65)	4.0 ± 0.4 (65)
37	3.9 ± 0.4 (64)	3.6 ± 0.4 (64)*	3.9 ± 0.3 (65)	4.0 ± 0.4 (65)
39	4.1 ± 0.5 (64)	3.6 ± 0.3 (64)*	3.8 ± 0.3 (65)*	3.8 ± 0.5 (65)*
41	3.9 ± 0.3 (64)	3.8 ± 0.5 (64)	3.9 ± 0.3 (65)	4.3 ± 0.5 (65)*
43	4.2 ± 0.3 (64)	4.0 ± 0.5 (64)	4.1 ± 0.3 (65)	4.6 ± 0.5 (65)*
45	4.0 ± 0.8 (64)	3.7 ± 0.3 (64)*	3.7 ± 0.4 (65)*	3.9 ± 0.4 (65)
47	4.3 ± 0.6 (64)	4.1 ± 0.6 (64)	4.2 ± 0.6 (64)	4.7 ± 0.9 (65)*
49	4.2 ± 0.3 (64)	4.1 ± 0.4 (64)	4.1 ± 0.4 (64)	5.0 ± 0.7 (64)*
51	3.7 ± 0.3 (64)	3.7 ± 0.2 (64)	3.8 ± 0.4 (64)	4.2 ± 0.4 (64)*
53	4.1 ± 0.3 (54)	4.1 ± 0.4 (54)	4.2 ± 0.3 (54)	4.7 ± 0.6 (54)*
55	4.2 ± 0.4 (54)	4.3 ± 0.7 (53)	4.1 ± 0.3 (54)	5.0 ± 0.6 (54)*
57	4.0 ± 0.3 (54)	4.4 ± 0.5 (53)*	4.3 ± 0.4 (54)	5.2 ± 0.8 (54)*
59	4.0 ± 0.5 (54)	4.1 ± 0.5 (53)	4.0 ± 0.3 (54)	4.7 ± 0.7 (54)*
61	4.0 ± 0.3 (54)	4.4 ± 0.3 (53)*	4.2 ± 0.2 (54)	4.6 ± 0.6 (54)*
63	3.9 ± 0.3 (54)	4.0 ± 0.7 (53)	3.8 ± 0.3 (53)	4.5 ± 0.6 (54)*
65	3.8 ± 0.3 (54)	4.0 ± 0.5 (53)	3.8 ± 0.4 (53)	4.2 ± 0.5 (50)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 10 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE FOOD CONSUMPTION VALUES (g/day)
[MEAN AND STANDARD DEVIATION (n)]

TEST WEEK	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
67	3.8 ± 0.2 (54)	4.1 ± 0.5 (53)*	4.0 ± 0.3 (53)*	4.4 ± 0.6 (54)*
69	3.9 ± 0.3 (53)	4.0 ± 0.5 (53)	3.9 ± 0.3 (53)	4.3 ± 0.6 (54)*
71	3.9 ± 0.3 (53)	3.9 ± 0.3 (53)	3.8 ± 0.3 (53)	4.1 ± 0.5 (54)
73	3.9 ± 0.2 (53)	4.2 ± 0.4 (53)*	4.3 ± 0.5 (53)*	4.2 ± 0.5 (53)*
75	3.9 ± 0.4 (53)	4.1 ± 0.3 (53)*	4.1 ± 0.3 (53)*	4.3 ± 0.4 (53)*
77	3.8 ± 0.3 (53)	4.0 ± 0.4 (53)	4.0 ± 0.4 (53)	4.1 ± 0.4 (52)*
79	3.9 ± 0.3 (53)	4.0 ± 0.3 (53)	4.1 ± 0.4 (53)*	4.3 ± 0.3 (52)*
81	3.9 ± 0.3 (52)	4.0 ± 0.3 (52)	4.2 ± 0.4 (53)*	4.5 ± 0.5 (52)*
83	4.0 ± 0.3 (49)	4.1 ± 0.4 (53)	4.1 ± 0.5 (53)	4.3 ± 0.5 (52)*
85	4.3 ± 1.0 (50)	4.1 ± 0.4 (51)	4.0 ± 0.4 (53)*	4.3 ± 0.5 (52)
87	4.1 ± 0.2 (49)	4.0 ± 0.4 (51)	4.0 ± 0.3 (52)	4.6 ± 0.6 (52)*
89	4.0 ± 0.3 (47)	3.9 ± 0.3 (51)	3.8 ± 0.3 (51)	4.7 ± 0.7 (52)*
91	4.1 ± 0.4 (46)	4.0 ± 0.3 (50)	4.0 ± 0.3 (51)	4.6 ± 0.7 (52)*
93	4.0 ± 0.4 (46)	3.9 ± 0.3 (50)	4.0 ± 0.3 (50)	5.1 ± 1.0 (52)*
95	4.2 ± 0.4 (44)	4.0 ± 0.5 (50)	4.0 ± 0.3 (50)	5.2 ± 1.3 (52)*
97	4.0 ± 0.3 (44)	3.9 ± 0.3 (48)	4.0 ± 0.4 (49)	4.7 ± 0.8 (52)*
99	4.2 ± 0.7 (43)	3.9 ± 0.5 (47)	4.1 ± 0.3 (47)	4.7 ± 0.9 (52)*
101	4.4 ± 0.6 (42)	4.0 ± 0.3 (46)*	4.1 ± 0.3 (47)	5.0 ± 0.9 (52)*
103	4.1 ± 0.5 (41)	3.8 ± 0.3 (43)	3.8 ± 0.4 (47)	4.4 ± 1.0 (50)*
104	4.1 ± 0.5 (39)	3.9 ± 0.3 (42)	4.0 ± 0.4 (47)	4.6 ± 0.9 (49)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 11

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE HEMATOLOGY VALUES - WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	46.2 ± 3.1 (10)	45.2 ± 2.7 (10)	44.4 ± 4.5 (10)	44.8 ± 2.9 (10)
HGB g/dl	18.02 ± 1.02 (10)	17.86 ± 0.83 (10)	17.34 ± 1.76 (10)	17.60 ± 0.77 (10)
MCV um^3	46 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)
MCH pg	17.5 ± 0.5 (10)	17.4 ± 0.4 (10)	17.4 ± 0.4 (10)	17.3 ± 0.3 (10)
MCHC g/dl	39.0 ± 0.5 (10)	39.4 ± 0.9 (10)	39.0 ± 0.9 (10)	39.0 ± 1.3 (10)
RBC x $10^6/mm^3$	10.32 ± 0.62 (10)	10.25 ± 0.59 (10)	9.99 ± 0.98 (10)	10.12 ± 0.57 (10)
WBC x $10^3/mm^3$	10.6 ± 3.1 (10)	9.3 ± 2.1 (9)	9.8 ± 1.7 (10)	8.5 ± 2.1 (10)
PLT x $10^3/mm^3$	890 ± 244 (10)	880 ± 168 (10)	910 ± 143 (10)	931 ± 97 (10)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx $10^3/mm^3$	2.1 ± 1.7 (10)	1.3 ± 0.5 (9)	1.6 ± 1.2 (10)	1.1 ± 0.4 (10)
Lym x $10^3/mm^3$	8.3 ± 1.7 (10)	7.8 ± 1.7 (9)	8.0 ± 1.8 (10)	7.2 ± 1.8 (10)
Mon x $10^3/mm^3$	0.2 ± 0.1 (10)	0.2 ± 0.2 (9)	0.1 ± 0.2 (10)	0.1 ± 0.1 (10)
Eos x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Bas x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.9 ± 0.6 (10)	1.7 ± 0.6 (8)	1.8 ± 0.4 (10)	2.7 ± 1.2 (9)
METHGB g/dl	0.16 ± 0.32 (10)	0.17 ± 0.34 (10)	0.16 ± 0.31 (10)	0.11 ± 0.21 (9)
% METHGB	0.903 ± 1.754 (10)	0.933 ± 1.904 (10)	1.042 ± 2.111 (10)	0.612 ± 1.217 (9)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 12

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE HEMATOLOGY VALUES - WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	44.9 ± 2.6 (10)	45.7 ± 2.6 (10)	44.7 ± 2.9 (10)	44.1 ± 2.6 (10)
HGB g/dl	17.92 ± 1.06 (10)	18.15 ± 0.74 (10)	17.96 ± 0.65 (10)	17.47 ± 0.55 (10)
MCV um^3	45 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)
MCH pg	17.7 ± 0.4 (10)	17.5 ± 0.3 (10)	17.6 ± 0.4 (10)	17.6 ± 0.2 (10)
MCHC g/dl	40.0 ± 0.8 (10)	39.5 ± 0.8 (10)	39.8 ± 1.4 (10)	39.4 ± 1.0 (10)
RBC x $10^6/mm^3$	10.15 ± 0.50 (10)	10.35 ± 0.44 (10)	10.13 ± 0.46 (10)	9.91 ± 0.42 (10)
WBC x $10^3/mm^3$	4.7 ± 0.9 (9)	5.7 ± 1.6 (10)	5.6 ± 0.8 (10)	6.3 ± 2.3 (8)
PLT x $10^3/mm^3$	803 ± 223 (10)	773 ± 160 (10)	736 ± 140 (10)	756 ± 68 (10)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (8)
Ma Nx $10^3/mm^3$	0.4 ± 0.2 (9)	0.5 ± 0.2 (10)	0.4 ± 0.2 (10)	0.7 ± 0.4 (8)*
Lym x $10^3/mm^3$	4.3 ± 0.8 (9)	5.2 ± 1.5 (10)	5.2 ± 0.7 (10)	5.6 ± 2.0 (8)
Mon x $10^3/mm^3$	0.1 ± 0.1 (9)	0.1 ± 0.1 (10)	0.0 ± 0.0 (10)	0.0 ± 0.1 (8)
Eos x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (8)
Bas x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (8)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.5 ± 0.5 (10)	1.4 ± 0.6 (9)	1.7 ± 0.6 (10)	2.3 ± 0.5 (10)*
METHGB g/dl	0.21 ± 0.33 (10)	0.15 ± 0.20 (10)	0.06 ± 0.12 (10)	0.08 ± 0.15 (10)
% METHGB	1.216 ± 1.953 (10)	0.827 ± 1.121 (10)	0.308 ± 0.659 (10)	0.442 ± 0.863 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 13

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE HEMATOLOGY VALUES - WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	42.3 ± 1.7 (10)	42.8 ± 2.3 (10)	42.6 ± 1.4 (10)	40.5 ± 1.7 (10)
HGB g/dl	15.82 ± 0.64 (10)	15.89 ± 0.99 (10)	15.85 ± 0.54 (10)	15.01 ± 0.71 (10)*
MCV um^3	46 ± 1 (10)	46 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)
MCH pg	17.2 ± 0.4 (10)	17.2 ± 0.2 (10)	17.1 ± 0.3 (10)	17.1 ± 0.4 (10)
MCHC g/dl	37.9 ± 0.8 (10)	37.6 ± 0.4 (10)	37.7 ± 0.6 (10)	37.6 ± 0.6 (10)
RBC x $10^6/mm^3$	9.37 ± 0.36 (10)	9.43 ± 0.46 (10)	9.44 ± 0.25 (10)	8.98 ± 0.35 (10)
WBC x $10^3/mm^3$	9.5 ± 3.4 (10)	9.4 ± 2.5 (10)	11.5 ± 2.3 (10)	10.9 ± 1.9 (10)
PLT x $10^3/mm^3$	1527 ± 411 (10)	1507 ± 399 (10)	1208 ± 362 (10)	1834 ± 412 (10)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx $10^3/mm^3$	1.5 ± 1.9 (10)	0.8 ± 0.5 (10)	0.7 ± 0.3 (10)	0.7 ± 0.4 (10)
Lym x $10^3/mm^3$	7.5 ± 2.1 (10)	8.5 ± 2.3 (10)	10.4 ± 2.1 (10)*	10.0 ± 1.9 (10)*
Mon x $10^3/mm^3$	0.3 ± 0.3 (10)	0.1 ± 0.1 (10)	0.3 ± 0.2 (10)	0.1 ± 0.2 (10)*
Eos x $10^3/mm^3$	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)
Bas x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.2 ± 0.8 (10)	1.2 ± 0.7 (10)	1.0 ± 0.3 (10)	1.7 ± 0.4 (10)
METHGB g/dl	0.10 ± 0.18 (10)	0.14 ± 0.20 (10)	0.11 ± 0.13 (10)	0.14 ± 0.20 (10)
% METHGB	0.613 ± 1.130 (10)	0.901 ± 1.369 (10)	0.676 ± 0.851 (10)	0.957 ± 1.374 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 14

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE HEMATOLOGY VALUES - WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	44.0 ± 1.7 (10)	43.8 ± 1.5 (10)	44.1 ± 1.2 (10)	43.1 ± 1.4 (10)
HGB g/dl	16.57 ± 0.62 (10)	16.50 ± 0.61 (10)	16.53 ± 0.62 (10)	16.14 ± 0.56 (10)
MCV um^3	46 ± 1 (10)	46 ± 1 (10)	46 ± 0 (10)	46 ± 0 (10)
MCH pg	17.6 ± 0.4 (10)	17.5 ± 0.3 (10)	17.5 ± 0.4 (10)	17.4 ± 0.3 (10)
MCHC g/dl	38.2 ± 0.5 (10)	38.0 ± 0.7 (10)	38.0 ± 0.7 (10)	37.8 ± 0.5 (10)
RBC x $10^6/mm^3$	9.62 ± 0.41 (10)	9.59 ± 0.34 (10)	9.64 ± 0.24 (10)	9.43 ± 0.32 (10)
WBC x $10^3/mm^3$	5.5 ± 1.3 (10)	6.2 ± 1.7 (10)	6.1 ± 1.7 (10)	7.6 ± 2.2 (10)*
PLT x $10^3/mm^3$	977 ± 284 (10)	1192 ± 252 (10)	1067 ± 275 (10)	1215 ± 356 (10)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx $10^3/mm^3$	0.4 ± 0.2 (10)	0.5 ± 0.2 (10)	0.4 ± 0.3 (10)	0.6 ± 0.3 (10)
Lym x $10^3/mm^3$	4.9 ± 1.2 (10)	5.6 ± 1.5 (10)	5.5 ± 1.7 (10)	6.9 ± 2.2 (10)*
Mon x $10^3/mm^3$	0.1 ± 0.1 (10)	0.1 ± 0.1 (10)	0.1 ± 0.1 (10)	0.2 ± 0.1 (10)
Eos x $10^3/mm^3$	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Bas x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.2 ± 0.5 (10)	1.1 ± 0.4 (10)	1.2 ± 0.8 (10)	1.6 ± 0.7 (10)
METHGB g/dl	0.10 ± 0.13 (10)	0.08 ± 0.10 (10)	0.12 ± 0.13 (10)	0.09 ± 0.09 (10)
% METHGB	0.637 ± 0.808 (10)	0.500 ± 0.585 (10)	0.715 ± 0.832 (10)	0.558 ± 0.532 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 15

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE HEMATOLOGY VALUES - WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	43.1 ± 1.2 (10)	42.5 ± 2.0 (10)	42.3 ± 1.1 (10)	40.3 ± 1.1 (10)*
HGB g/dl	15.95 ± 0.59 (10)	15.79 ± 0.84 (10)	15.83 ± 0.41 (10)	14.89 ± 0.58 (10)*
MCV um^3	45 ± 1 (10)	46 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)
MCH pg	17.0 ± 0.5 (10)	17.3 ± 0.5 (10)	17.1 ± 0.2 (10)	16.9 ± 0.4 (10)
MCHC g/dl	37.2 ± 0.7 (10)	37.4 ± 0.9 (10)	37.4 ± 0.5 (10)	37.1 ± 0.7 (10)
RBC x $10^6/mm^3$	9.32 ± 0.33 (10)	9.11 ± 0.37 (10)	9.19 ± 0.20 (10)	8.78 ± 0.30 (10)*
WBC x $10^3/mm^3$	8.3 ± 2.2 (10)	10.4 ± 1.9 (10)	8.6 ± 1.4 (10)	12.1 ± 3.3 (10)*
PLT x $10^3/mm^3$	1507 ± 445 (10)	1332 ± 405 (10)	1365 ± 242 (10)	1773 ± 548 (10)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx $10^3/mm^3$	0.9 ± 0.4 (10)	1.5 ± 0.5 (10)	1.1 ± 0.4 (10)	2.0 ± 1.7 (10)*
Lym x $10^3/mm^3$	7.4 ± 2.1 (10)	8.9 ± 1.7 (10)	7.5 ± 1.2 (10)	10.0 ± 2.6 (10)*
Mon x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.1 ± 0.1 (10)
Eos x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.1 (10)	0.0 ± 0.1 (10)	0.0 ± 0.1 (10)
Bas x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.0 ± 0.3 (10)	0.7 ± 0.2 (10)	0.8 ± 0.4 (10)	1.3 ± 0.4 (9)
METHGB g/dl	0.04 ± 0.08 (10)	0.09 ± 0.15 (10)	0.06 ± 0.06 (10)	0.05 ± 0.05 (10)
% METHGB	0.256 ± 0.506 (10)	0.568 ± 0.986 (10)	0.348 ± 0.356 (10)	0.367 ± 0.332 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 16

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE HEMATOLOGY VALUES - WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	43.1 ± 1.2 (10)	42.5 ± 2.0 (10)	42.3 ± 1.1 (10)	40.3 ± 1.1 (10)*
HGB g/dl	15.95 ± 0.59 (10)	15.79 ± 0.84 (10)	15.83 ± 0.41 (10)	14.89 ± 0.58 (10)*
MCV um^3	45 ± 1 (10)	46 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)
MCH pg	17.0 ± 0.5 (10)	17.3 ± 0.5 (10)	17.1 ± 0.2 (10)	16.9 ± 0.4 (10)
MCHC g/dl	37.2 ± 0.7 (10)	37.4 ± 0.9 (10)	37.4 ± 0.5 (10)	37.1 ± 0.7 (10)
RBC x 10^6/mm^3	9.32 ± 0.33 (10)	9.11 ± 0.37 (10)	9.19 ± 0.20 (10)	8.78 ± 0.30 (10)*
WBC x 10^3/mm^3	8.3 ± 2.2 (10)	10.4 ± 1.9 (10)	8.6 ± 1.4 (10)	12.1 ± 3.3 (10)*
PLT x 10^3/mm^3	1507 ± 445 (10)	1332 ± 405 (10)	1365 ± 242 (10)	1773 ± 548 (10)
Im Nx 10^3/mm^3	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx 10^3/mm^3	0.9 ± 0.4 (10)	1.5 ± 0.5 (10)	1.1 ± 0.4 (10)	2.0 ± 1.7 (10)*
Lym x 10^3/mm^3	7.4 ± 2.1 (10)	8.9 ± 1.7 (10)	7.5 ± 1.2 (10)	10.0 ± 2.6 (10)*
Mon x 10^3/mm^3	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.1 ± 0.1 (10)
Eos x 10^3/mm^3	0.0 ± 0.0 (10)	0.0 ± 0.1 (10)	0.0 ± 0.1 (10)	0.0 ± 0.1 (10)
Bas x 10^3/mm^3	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.0 ± 0.3 (10)	0.7 ± 0.2 (10)	0.8 ± 0.4 (10)	1.3 ± 0.4 (9)
METHGB g/dl	0.04 ± 0.08 (10)	0.09 ± 0.15 (10)	0.06 ± 0.06 (10)	0.05 ± 0.05 (10)
% METHGB	0.256 ± 0.506 (10)	0.568 ± 0.986 (10)	0.348 ± 0.356 (10)	0.367 ± 0.332 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 17

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE HEMATOLOGY VALUES - WEEK 79
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	46.7 + 3.5 (9)	45.2 ± 2.4 (10)	44.5 ± 2.1 (10)	42.0 ± 1.7 (10)*
HGB g/dl	16.92 ± 1.25 (9)	16.58 ± 0.82 (10)	16.07 ± 0.74 (10)	15.04 ± 0.51 (10)*
MCV um³	45 ± 2 (9)	45 ± 1 (10)	45 ± 1 (10)	45 ± 1 (10)
MCH pg	16.7 ± 0.8 (9)	16.9 ± 0.6 (10)	16.7 ± 0.5 (10)	16.7 ± 0.6 (10)
MCHC g/dl	36.8 ± 0.6 (9)	37.3 ± 0.7 (10)	36.7 ± 0.7 (10)	36.6 ± 0.9 (10)
RBC x 10⁶/mm³	10.31 ± 1.27 (9)	9.96 ± 0.71 (10)	9.75 ± 0.66 (10)	9.14 ± 0.48 (10)*
WBC x 10³/mm³	10.8 ± 2.6 (9)	10.5 ± 2.1 (9)	11.3 ± 2.7 (10)	11.6 ± 3.8 (10)
PLT x 10³/mm³	550 ± 94 (9)	540 ± 122 (10)	489 ± 70 (10)	496 ± 83 (10)
Im Nx 10³/mm³	0.0 ± 0.0 (9)	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx 10³/mm³	1.9 ± 0.5 (9)	2.0 ± 1.0 (9)	1.6 ± 0.8 (10)	2.0 ± 1.4 (10)
Lym x 10³/mm³	8.7 ± 2.5 (9)	8.4 ± 1.8 (9)	9.5 ± 2.3 (10)	9.4 ± 3.5 (10)
Mon x 10³/mm³	0.1 ± 0.1 (9)	0.0 ± 0.1 (9)	0.1 ± 0.2 (10)	0.1 ± 0.1 (10)
Eos x 10³/mm³	0.1 ± 0.1 (9)	0.1 ± 0.1 (9)	0.0 ± 0.1 (10)	0.1 ± 0.1 (10)
Bas x 10³/mm³	0.0 ± 0.0 (9)	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (9)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.2 ± 0.5 (9)	0.8 ± 0.4 (9)	1.1 ± 0.6 (10)	1.1 ± 0.5 (10)
METHGB g/dl	0.01 ± 0.02 (9)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.01 ± 0.03 (10)
% METHGB	0.034 ± 0.102 (9)	0.000 ± 0.000 (10)	0.000 ± 0.000 (10)	0.075 ± 0.238 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 18

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE HEMATOLOGY VALUES WEEK 79
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	43.2 ± 3.1 (9)	45.0 ± 1.5 (10)	44.2 ± 1.1 (10)	41.5 ± 3.9 (9)
HGB g/dl	16.01 ± 1.19 (9)	16.34 ± 0.45 (10)	16.11 ± 0.48 (10)	14.85 ± 1.49 (9)*
MCV um^3	46 ± 1 (9)	46 ± 1 (10)	46 ± 1 (10)	46 ± 1 (9)
MCH pg	17.4 ± 0.4 (9)	17.2 ± 0.4 (10)	17.3 ± 0.6 (10)	16.8 ± 0.4 (9)*
MCHC g/dl	37.9 ± 0.7 (9)	37.1 ± 0.7 (10)*	37.3 ± 0.9 (10)	36.7 ± 0.4 (9)*
RBC x $10^6/mm^3$	9.33 ± 0.73 (9)	9.65 ± 0.38 (10)	9.48 ± 0.36 (10)	8.98 ± 0.98 (9)
WBC x $10^3/mm^3$	5.9 ± 2.0 (9)	5.6 ± 1.8 (10)	5.5 ± 1.4 (10)	7.0 ± 1.9 (9)
PLT x $10^3/mm^3$	456 ± 78 (9)	429 ± 87 (10)	361 ± 91 (10)*	399 ± 41 (9)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)
Ma Nx $10^3/mm^3$	1.1 ± 0.6 (9)	1.0 ± 0.4 (10)	1.2 ± 0.4 (10)	1.2 ± 0.3 (9)
Lym x $10^3/mm^3$	4.7 ± 1.5 (9)	4.5 ± 1.7 (10)	4.2 ± 1.4 (10)	5.7 ± 1.6 (9)
Mon x $10^3/mm^3$	0.1 ± 0.1 (9)	0.1 ± 0.1 (10)	0.1 ± 0.1 (10)	0.1 ± 0.1 (9)
Eos x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.1 ± 0.1 (10)	0.0 ± 0.0 (9)
Bas x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)
NRBC /100 WBC	0 ± 0 (9)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (9)
RETIC %RBC	1.1 ± 0.6 (9)	0.8 ± 0.4 (10)	0.8 ± 0.4 (10)	1.0 ± 0.6 (9)
METHGB g/dl	0.01 ± 0.04 (9)	0.01 ± 0.02 (10)	0.04 ± 0.08 (10)	0.05 ± 0.08 (9)
% METHGB	0.075 ± 0.226 (9)	0.062 ± 0.131 (10)	0.278 ± 0.482 (10)	0.398 ± 0.609 (9)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 19

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE HEMATOLOGY VALUES - WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	39.8 ± 7.3 (10)	43.5 ± 7.0 (10)	41.9 ± 6.6 (10)	41.6 ± 6.7 (9)
HGB g/dl	14.45 ± 3.24 (10)	15.90 ± 2.26 (10)	15.23 ± 2.60 (10)	15.37 ± 2.66 (9)
MCV um^3	48 ± 7 (10)	45 ± 1 (10)	44 ± 4 (10)	45 ± 1 (9)
MCH pg	17.2 ± 1.5 (10)	16.5 ± 0.9 (10)	16.0 ± 1.4 (10)	16.6 ± 0.9 (9)
MCHC g/dl	36.8 ± 2.3 (10)	37.5 ± 1.1 (10)	37.1 ± 1.4 (10)	37.6 ± 1.0 (9)
RBC x $10^6/mm^3$	8.64 ± 2.15 (10)	9.80 ± 2.04 (10)	9.77 ± 2.40 (10)	9.38 ± 2.05 (9)
WBC x $10^3/mm^3$	8.7 ± 4.0 (10)	8.3 ± 1.7 (10)	8.1 ± 3.6 (10)	8.2 ± 1.4 (9)
PLT x $10^3/mm^3$	645 ± 143 (10)	716 ± 166 (10)	618 ± 186 (10)	728 ± 156 (9)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)
Ma Nx $10^3/mm^3$	2.2 ± 3.1 (10)	2.2 ± 1.2 (10)	2.4 ± 2.1 (10)	1.7 ± 1.1 (9)
Lym x $10^3/mm^3$	6.4 ± 1.9 (10)	6.0 ± 1.7 (10)	5.6 ± 2.5 (10)	6.4 ± 1.3 (9)
Mon x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)
Eos x $10^3/mm^3$	0.1 ± 0.1 (10)	0.0 ± 0.1 (10)	0.0 ± 0.1 (10)	0.1 ± 0.1 (9)
Bas x $10^3/mm^3$	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (9)
NRBC /100 WBC	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (9)
RETIC %RBC	1.5 ± 0.5 (9)	1.7 ± 0.6 (10)	2.8 ± 2.8 (10)	1.9 ± 0.4 (9)
METHGB g/dl	0.07 ± 0.16 (10)	0.06 ± 0.08 (10)	0.06 ± 0.10 (10)	0.04 ± 0.08 (9)
% METHGB	0.980 ± 2.624 (10)	0.403 ± 0.561 (10)	0.497 ± 0.786 (10)	0.253 ± 0.542 (9)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 20

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE HEMATOLOGY VALUES - WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

HEMATOLOGY PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
HCT %	40.9 ± 2.6 (9)	41.7 ± 2.2 (10)	40.5 ± 1.5 (10)	37.0 ± 6.4 (10)
HGB g/dl	15.16 ± 1.03 (9)	15.32 ± 0.97 (10)	14.94 ± 0.74 (10)	13.48 ± 2.57 (10)
MCV um^3	47 ± 1 (9)	48 ± 2 (10)	47 ± 1 (10)	47 ± 2 (10)
MCH pg	17.5 ± 0.5 (9)	17.4 ± 0.7 (10)	17.5 ± 0.6 (10)	17.1 ± 0.5 (10)
MCHC g/dl	37.8 ± 0.5 (9)	37.3 ± 0.9 (10)	37.8 ± 0.6 (10)	37.4 ± 1.1 (10)
RBC x $10^6/mm^3$	8.71 ± 0.51 (9)	8.85 ± 0.73 (10)	8.60 ± 0.36 (10)	7.94 ± 1.48 (10)
WBC x $10^3/mm^3$	6.5 ± 2.3 (9)	7.6 ± 5.5 (10)	5.4 ± 1.2 (10)	6.4 ± 2.0 (10)
PLT x $10^3/mm^3$	548 ± 53 (9)	441 ± 117 (10)*	520 ± 104 (10)	467 ± 82 (10)
Im Nx $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Ma Nx $10^3/mm^3$	1.4 ± 0.9 (9)	1.1 ± 0.7 (10)	1.6 ± 1.2 (10)	1.6 ± 1.2 (10)
Lym x $10^3/mm^3$	5.1 ± 1.6 (9)	6.5 ± 5.7 (10)	3.7 ± 1.2 (10)	4.8 ± 1.9 (10)
Mon x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)
Eos x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.1 (10)	0.0 ± 0.1 (10)	0.0 ± 0.0 (10)
Bas x $10^3/mm^3$	0.0 ± 0.0 (9)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
NRBC /100 WBC	0 ± 0 (9)	0 ± 0 (10)	0 ± 0 (10)	0 ± 0 (10)
RETIC %RBC	1.6 ± 0.6 (9)	1.7 ± 0.5 (10)	2.1 ± 0.9 (10)	2.5 ± 1.4 (10)
METHGB g/dl	0.05 ± 0.05 (9)	0.05 ± 0.07 (10)	0.12 ± 0.15 (10)	0.09 ± 0.09 (10)
% METHGB	0.351 ± 0.305 (9)	0.310 ± 0.450 (10)	0.818 ± 0.986 (10)	0.753 ± 0.745 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 21

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE CLINICAL CHEMISTRY VALUES - WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	133 ± 20 (10)	136 ± 11 (10)	147 ± 21 (10)	148 ± 19 (10)
BUN mg/dl	16 ± 2 (10)	16 ± 3 (10)	16 ± 2 (10)	16 ± 2 (10)
SGPT Iu/l	93 ± 93 (10)	56 ± 22 (10)	57 ± 13 (10)	51 ± 21 (10)
TRIG mg/dl	92 ± 24 (10)	104 ± 30 (10)	83 ± 19 (10)	84 ± 19 (10)
T PRO g/dl	5.5 ± 0.4 (9)	5.4 ± 0.5 (10)	5.3 ± 0.5 (9)	5.2 ± 0.3 (9)
ALB g/dl	3.4 ± 0.4 (9)	3.2 ± 0.3 (10)	3.2 ± 0.3 (10)	3.3 ± 0.1 (9)
CHOL mg/dl	103 ± 12 (10)	106 ± 12 (10)	105 ± 11 (10)	113 ± 14 (10)
D BIL mg/dl	0.10 ± 0.05 (10)	0.10 ± 0.06 (10)	0.09 ± 0.04 (10)	0.11 ± 0.07 (10)
T BIL mg/dl	0.36 ± 0.13 (10)	0.35 ± 0.13 (10)	0.36 ± 0.11 (10)	0.44 ± 0.23 (10)
GLOB g/dl	2.1 ± 0.5 (9)	2.2 ± 0.2 (10)	2.1 ± 0.3 (9)	1.9 ± 0.4 (9)
ALB/GLOB	1.8 ± 0.9 (9)	1.5 ± 0.1 (10)	1.5 ± 0.2 (9)	1.9 ± 0.8 (9)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 22

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE CLINICAL CHEMISTRY VALUES - WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	135 ± 15 (10)	128 ± 21 (10)	126 ± 13 (10)	122 ± 18 (10)
BUN mg/dl	16 ± 2 (10)	15 ± 3 (10)	15 ± 2 (10)	14 ± 1 (10)
SGPT Iu/1	30 ± 6 (10)	38 ± 13 (10)	38 ± 15 (10)	30 ± 8 (10)
TRIG mg/dl	97 ± 23 (10)	74 ± 31 (10)	83 ± 41 (10)	67 ± 16 (10)
T PRO g/dl	5.2 ± 0.2 (10)	5.1 ± 0.2 (9)	5.2 ± 0.2 (10)	5.3 ± 0.2 (10)
ALB g/dl	3.6 ± 0.1 (10)	3.6 ± 0.1 (9)	3.6 ± 0.1 (10)	3.7 ± 0.1 (10)
CHOL mg/dl	89 ± 7 (10)	88 ± 6 (10)	90 ± 15 (10)	97 ± 8 (10)
D BIL mg/dl	0.09 ± 0.07 (10)	0.11 ± 0.08 (10)	0.08 ± 0.05 (10)	0.07 ± 0.03 (10)
T BIL mg/dl	0.33 ± 0.18 (10)	0.28 ± 0.06 (10)	0.30 ± 0.16 (10)	0.27 ± 0.07 (10)
GLOB g/dl	1.6 ± 0.2 (10)	1.5 ± 0.1 (9)	1.6 ± 0.2 (10)	1.6 ± 0.2 (10)
ALB/GLOB	2.3 ± 0.2 (10)	2.3 ± 0.1 (9)	2.3 ± 0.2 (10)	2.3 ± 0.2 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 23

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE CLINICAL CHEMISTRY VALUES - WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	135 ± 19 (10)	160 ± 19 (10)*	149 ± 22 (10)	152 ± 18 (10)
BUN mg/dl	18 ± 4 (10)	19 ± 3 (10)	19 ± 2 (10)	19 ± 1 (10)
SGPT Iu/l	49 ± 18 (10)	45 ± 15 (10)	46 ± 14 (10)	48 ± 30 (10)
TRIG mg/dl	147 ± 41 (10)	175 ± 33 (10)	154 ± 37 (10)	139 ± 26 (10)
T PRO g/dl	5.4 ± 0.4 (10)	5.7 ± 0.1 (10)*	5.4 ± 0.2 (10)	5.6 ± 0.3 (10)
ALB g/dl	3.2 ± 0.3 (10)	3.3 ± 0.1 (10)	3.2 ± 0.1 (10)	3.3 ± 0.3 (10)
CHOL mg/dl	106 ± 17 (10)	118 ± 16 (10)	108 ± 13 (10)	116 ± 13 (10)
D BIL mg/dl	0.08 ± 0.05 (10)	0.07 ± 0.02 (10)	0.08 ± 0.03 (10)	0.07 ± 0.04 (10)
T BIL mg/dl	0.28 ± 0.11 (10)	0.28 ± 0.06 (10)	0.31 ± 0.10 (10)	0.28 ± 0.08 (10)
GLOB g/dl	2.3 ± 0.3 (10)	2.4 ± 0.2 (10)	2.2 ± 0.2 (10)	2.3 ± 0.3 (10)
ALB/GLOB	1.4 ± 0.2 (10)	1.3 ± 0.1 (10)	1.5 ± 0.2 (10)	1.4 ± 0.2 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 24

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE CLINICAL CHEMISTRY VALUES - WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	139 ± 27 (10)	133 ± 15 (10)	139 ± 20 (10)	128 ± 13 (10)
BUN mg/dl	16 ± 2 (10)	17 ± 2 (10)	17 ± 5 (10)	15 ± 2 (10)
SGPT Iu/l	50 ± 26 (10)	49 ± 15 (10)	48 ± 15 (10)	59 ± 32 (9)
TRIG mg/dl	138 ± 46 (10)	140 ± 49 (10)	144 ± 55 (10)	123 ± 25 (10)
T PRO g/dl	5.6 ± 0.3 (10)	5.6 ± 0.4 (10)	5.6 ± 0.2 (10)	5.5 ± 0.3 (10)
ALB g/dl	3.6 ± 0.2 (10)	3.6 ± 0.2 (10)	3.6 ± 0.1 (10)	3.6 ± 0.3 (10)
CHOL mg/dl	96 ± 10 (10)	99 ± 8 (10)	98 ± 16 (10)	95 ± 8 (10)
D BIL mg/dl	0.10 ± 0.08 (10)	0.10 ± 0.05 (10)	0.07 ± 0.05 (10)	0.10 ± 0.06 (10)
T BIL mg/dl	0.34 ± 0.22 (10)	0.33 ± 0.12 (10)	0.27 ± 0.16 (10)	0.34 ± 0.14 (10)
GLOB g/dl	2.0 ± 0.2 (10)	2.0 ± 0.2 (10)	1.9 ± 0.2 (10)	1.9 ± 0.2 (10)
ALB/GLOB	1.8 ± 0.2 (10)	1.8 ± 0.2 (10)	1.9 ± 0.2 (10)	1.9 ± 0.3 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 25

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE CLINICAL CHEMISTRY VALUES - WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	156 ± 16 (10)	151 ± 21 (10)	168 ± 16 (10)	141 ± 14 (10)
BUN mg/dl	18 ± 2 (10)	18 ± 2 (10)	18 ± 2 (10)	18 ± 2 (10)
SGPT Iu/l	24 ± 7 (10)	27 ± 7 (10)	27 ± 6 (10)	27 ± 7 (10)
TRIG mg/dl	179 ± 47 (10)	181 ± 43 (10)	176 ± 35 (10)	134 ± 22 (10)*
T PRO g/dl	6.1 ± 0.3 (10)	5.8 ± 0.3 (10)	6.0 ± 0.3 (10)	5.8 ± 0.2 (10)
ALB g/dl	3.4 ± 0.2 (10)	3.3 ± 0.2 (10)	3.4 ± 0.2 (10)	3.4 ± 0.1 (10)
CHOL mg/dl	123 ± 13 (10)	120 ± 13 (10)	129 ± 15 (10)	117 ± 10 (10)
D BIL mg/dl	0.08 ± 0.01 (10)	0.08 ± 0.03 (10)	0.08 ± 0.01 (10)	0.07 ± 0.01 (10)
T BIL mg/dl	0.33 ± 0.05 (10)	0.35 ± 0.09 (10)	0.35 ± 0.06 (10)	0.35 ± 0.05 (10)
GLOB g/dl	2.7 ± 0.2 (10)	2.5 ± 0.2 (10)	2.6 ± 0.2 (10)	2.4 ± 0.2 (10)
ALB/GLOB	1.3 ± 0.1 (10)	1.3 ± 0.1 (10)	1.3 ± 0.1 (10)	1.4 ± 0.2 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 26

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE FEMALE CLINICAL CHEMISTRY VALUES - WEEK 52 [MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	129 ± 15 (10)	136 ± 15 (10)	134 ± 19 (10)	131 ± 19 (10)
BUN mg/dl	15 ± 2 (10)	17 ± 3 (10)	16 ± 3 (10)	16 ± 3 (10)
SGPT Iu/l	27 ± 12 (10)	31 ± 15 (10)	23 ± 7 (10)	26 ± 12 (10)
TRIG mg/dl	134 ± 37 (10)	152 ± 51 (10)	155 ± 63 (10)	165 ± 43 (10)
T PRO g/dl	5.7 ± 0.4 (10)	5.8 ± 0.2 (10)	5.6 ± 0.3 (10)	5.7 ± 0.2 (10)
ALB g/dl	3.6 ± 0.2 (10)	3.7 ± 0.1 (10)	3.6 ± 0.2 (10)	3.6 ± 0.2 (10)
CHOL mg/dl	94 ± 17 (10)	107 ± 23 (10)	98 ± 10 (10)	110 ± 10 (10)
D BIL mg/dl	0.07 ± 0.01 (10)	0.09 ± 0.03 (10)	0.08 ± 0.03 (10)	0.09 ± 0.03 (10)
T BIL mg/dl	0.32 ± 0.05 (10)	0.37 ± 0.11 (10)	0.34 ± 0.10 (10)	0.41 ± 0.14 (10)
GLOB g/dl	2.1 ± 0.3 (10)	2.1 ± 0.1 (10)	2.0 ± 0.1 (10)	2.1 ± 0.1 (10)
ALB/GLOB	1.7 ± 0.2 (10)	1.8 ± 0.1 (10)	1.8 ± 0.1 (10)	1.7 ± 0.1 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 27

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE CLINICAL CHEMISTRY VALUES - WEEK 79
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	149 ± 22 (10)	131 ± 38 (10)	142 ± 14 (10)	141 ± 22 (10)
BUN mg/dl	18 ± 3 (10)	19 ± 4 (10)	18 ± 2 (10)	18 ± 4 (10)
SGPT Iu/l	44 ± 23 (10)	56 ± 24 (10)	71 ± 51 (10)	53 ± 26 (10)
TRIG mg/dl	128 ± 33 (10)	131 ± 55 (10)	127 ± 29 (10)	117 ± 29 (10)
T PRO g/dl	5.8 ± 0.8 (10)	6.1 ± 1.2 (10)	5.9 ± 0.7 (10)	5.3 ± 0.5 (10)
ALB g/dl	3.4 ± 0.4 (9)	3.3 ± 0.5 (10)	3.4 ± 0.4 (10)	3.2 ± 0.4 (10)
CHOL mg/dl	141 ± 48 (10)	181 ± 128 (10)	146 ± 31 (10)	131 ± 20 (10)
D BIL mg/dl	0.08 ± 0.03 (10)	0.09 ± 0.03 (10)	0.09 ± 0.05 (10)	0.11 ± 0.08 (10)
T BIL mg/dl	0.33 ± 0.10 (10)	0.37 ± 0.11 (10)	0.38 ± 0.07 (10)	0.44 ± 0.16 (10)
GLOB g/dl	2.4 ± 0.4 (9)	2.7 ± 0.9 (10)	2.5 ± 0.4 (10)	2.1 ± 0.3 (10)
ALB/GLOB	1.4 ± 0.2 (9)	1.3 ± 0.4 (10)	1.4 ± 0.2 (10)	1.6 ± 0.3 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 28

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE CLINICAL CHEMISTRY VALUES - WEEK 79
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	133 ± 16 (10)	126 ± 11 (10)	126 ± 17 (10)	134 ± 17 (10)
BUN mg/dl	16 ± 1 (10)	17 ± 2 (10)	17 ± 3 (9)	16 ± 2 (10)
SGPT Iu/l	30 ± 7 (10)	44 ± 24 (10)	47 ± 41 (10)	24 ± 9 (10)
TRIG mg/dl	135 ± 26 (10)	131 ± 33 (10)	156 ± 26 (10)	141 ± 48 (10)
T PRO g/dl	5.3 ± 0.7 (10)	5.1 ± 0.6 (10)	5.3 ± 0.5 (9)	5.4 ± 0.5 (10)
ALB g/dl	3.5 ± 0.4 (10)	3.3 ± 0.2 (10)	3.5 ± 0.3 (9)	3.5 ± 0.3 (10)
CHOL mg/dl	121 ± 27 (10)	104 ± 23 (10)	110 ± 24 (10)	120 ± 13 (10)
D BIL mg/dl	0.07 ± 0.02 (10)	0.07 ± 0.02 (10)	0.09 ± 0.02 (10)*	0.07 ± 0.02 (10)
T BIL mg/dl	0.32 ± 0.06 (10)	0.31 ± 0.09 (10)	0.39 ± 0.08 (10)	0.35 ± 0.07 (10)
GLOB g/dl	1.8 ± 0.3 (10)	1.7 ± 0.6 (10)	1.8 ± 0.3 (9)	2.0 ± 0.4 (10)
ALB/GLOB	2.0 ± 0.2 (10)	2.1 ± 0.8 (10)	1.9 ± 0.3 (9)	1.8 ± 0.3 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 29

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE CLINICAL CHEMISTRY VALUES - WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	144 ± 38 (10)	138 ± 34 (10)	122 ± 40 (10)	134 ± 22 (10)
BUN mg/dl	23 ± 7 (10)	20 ± 3 (10)	22 ± 8 (10)	20 ± 3 (10)
SGPT Iu/l	42 ± 31 (10)	38 ± 35 (9)	153 ± 174 (10)*	25 ± 5 (9)
TRIG mg/dl	159 ± 66 (10)	106 ± 18 (10)*	112 ± 45 (10)	127 ± 36 (10)
T PRO g/dl	6.1 ± 0.6 (10)	6.1 ± 0.7 (10)	6.4 ± 1.7 (10)	5.8 ± 0.3 (9)
ALB g/dl	3.5 ± 0.2 (10)	3.4 ± 0.3 (10)	3.6 ± 0.7 (10)	3.4 ± 0.1 (9)
CHOL mg/dl	163 ± 54 (10)	155 ± 31 (10)	200 ± 126 (10)	150 ± 56 (10)
D BIL mg/dl	0.11 ± 0.03 (10)	0.10 ± 0.04 (10)	0.11 ± 0.04 (10)	0.11 ± 0.04 (10)
T BIL mg/dl	0.35 ± 0.07 (10)	0.32 ± 0.12 (10)	0.35 ± 0.09 (10)	0.36 ± 0.09 (10)
GLOB g/dl	2.5 ± 0.4 (10)	2.7 ± 0.4 (10)	2.8 ± 1.0 (10)	2.4 ± 0.3 (9)
ALB/GLOB	1.4 ± 0.1 (10)	1.3 ± 0.2 (10)	1.3 ± 0.3 (10)	1.4 ± 0.2 (9)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 30

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE CLINICAL CHEMISTRY VALUES - WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

CLIN CHEM PARAMETER	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
GLU mg/dl	144 ± 18 (10)	120 ± 46 (10)	133 ± 27 (10)	125 ± 46 (10)
BUN mg/dl	19 ± 2 (10)	21 ± 12 (10)	18 ± 3 (10)	27 ± 20 (10)
SGPT Iu/l	32 ± 13 (10)	42 ± 42 (10)	25 ± 6 (10)	39 ± 21 (10)
TRIG mg/dl	119 ± 38 (10)	114 ± 35 (10)	119 ± 41 (10)	113 ± 59 (9)
T PRO g/dl	5.6 ± 0.2 (10)	5.4 ± 0.4 (10)	5.8 ± 0.5 (10)	5.1 ± 0.4 (10)
ALB g/dl	3.4 ± 0.2 (10)	3.5 ± 0.2 (10)	3.6 ± 0.1 (10)	3.3 ± 0.4 (10)
CHOL mg/dl	110 ± 27 (10)	102 ± 39 (10)	124 ± 20 (10)	117 ± 43 (10)
D BIL mg/dl	0.09 ± 0.03 (10)	0.09 ± 0.02 (10)	0.09 ± 0.02 (10)	0.10 ± 0.03 (10)
T BIL mg/dl	0.30 ± 0.06 (10)	0.30 ± 0.06 (10)	0.31 ± 0.08 (10)	0.31 ± 0.09 (10)
GLOB g/dl	2.1 ± 0.3 (10)	1.9 ± 0.3 (10)	2.2 ± 0.5 (10)	1.8 ± 0.3 (10)
ALB/GLOB	1.7 ± 0.3 (10)	1.8 ± 0.3 (10)	1.7 ± 0.3 (10)	1.9 ± 0.4 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 31

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE RELATIVE ORGAN WEIGHT VALUES - WEEK 27
[(g ORGAN WEIGHT/g BODY WEIGHT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	32.4 ± 2.5 (10)	36.4 ± 4.3 (10)*	33.9 ± 4.0 (10)	34.4 ± 1.7 (10)
BRAIN	1.499 ± 0.087 (10)	1.328 ± 0.136 (10)*	1.418 ± 0.153 (10)	1.370 ± 0.057 (10)*
HEART	0.533 ± 0.046 (10)	0.497 ± 0.037 (10)	0.513 ± 0.029 (10)	0.532 ± 0.051 (10)
KIDNEYS	1.680 ± 0.157 (10)	1.670 ± 0.133 (10)	1.752 ± 0.180 (10)	1.756 ± 0.164 (10)
LIVER	5.287 ± 0.448 (10)	5.330 ± 0.400 (10)	5.408 ± 0.338 (10)	5.706 ± 0.309 (10)*
SPLEEN	0.312 ± 0.059 (10)	0.255 ± 0.061 (10)	0.274 ± 0.038 (10)	0.311 ± 0.063 (10)
GONADS	0.711 ± 0.021 (10)	0.656 ± 0.047 (10)	0.698 ± 0.068 (10)	0.658 ± 0.072 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 32

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE RELATIVE ORGAN WEIGHT VALUES - WEEK 27
[(g ORGAN WEIGHT/g BODY WEIGHT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	29.1 ± 2.2 (10)	30.5 ± 3.1 (10)	30.0 ± 4.9 (10)	27.4 ± 1.9 (10)
BRAIN	1.735 ± 0.117 (10)	1.608 ± 0.170 (10)	1.703 ± 0.232 (10)	1.826 ± 0.116 (10)
HEART	0.470 ± 0.026 (10)	0.448 ± 0.066 (10)	0.454 ± 0.048 (10)	0.473 ± 0.047 (10)
KIDNEYS	1.350 ± 0.097 (10)	1.306 ± 0.133 (10)	1.361 ± 0.105 (10)	1.467 ± 0.162 (10)
LIVER	5.191 ± 0.355 (10)	5.248 ± 0.368 (10)	5.425 ± 0.511 (10)	5.578 ± 0.471 (10)
SPLEEN	0.287 ± 0.022 (10)	0.316 ± 0.057 (10)	0.311 ± 0.049 (10)	0.348 ± 0.043 (10)
GONADS	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 33

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE RELATIVE ORGAN WEIGHT VALUES - WEEK 52
[(g ORGAN WEIGHT/g BODY WEIGHT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	39.7 ± 3.4 (10)	40.1 ± 3.1 (10)	40.7 ± 3.2 (10)	36.0 ± 3.2 (10)*
BRAIN	1.217 ± 0.139 (10)	1.215 ± 0.100 (10)	1.207 ± 0.099 (10)	1.367 ± 0.103 (10)*
HEART	0.497 ± 0.033 (10)	0.525 ± 0.019 (10)	0.490 ± 0.050 (10)	0.554 ± 0.042 (9)*
KIDNEYS	1.695 ± 0.132 (10)	1.765 ± 0.140 (10)	1.663 ± 0.159 (10)	1.907 ± 0.129 (10)*
LIVER	5.455 ± 0.430 (10)	5.475 ± 0.265 (10)	5.226 ± 0.631 (10)	5.667 ± 0.332 (10)
SPLEEN	0.261 ± 0.065 (10)	0.245 ± 0.037 (10)	0.246 ± 0.025 (10)	0.302 ± 0.064 (10)
GONADS	0.589 ± 0.041 (10)	0.583 ± 0.028 (10)	0.574 ± 0.044 (10)	0.574 ± 0.149 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 34

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE RELATIVE ORGAN WEIGHT VALUES - WEEK 52
[(g ORGAN WEIGHT/g BODY WEIGHT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	32.9 ± 3.2 (10)	34.0 ± 6.0 (10)	32.5 ± 2.7 (10)	32.6 ± 4.3 (10)
BRAIN	1.529 ± 0.158 (10)	1.431 ± 0.288 (10)	1.537 ± 0.130 (10)	1.542 ± 0.175 (10)
HEART	0.445 ± 0.042 (10)	0.439 ± 0.076 (10)	0.420 ± 0.035 (10)	0.459 ± 0.057 (10)
KIDNEYS	1.357 ± 0.128 (10)	1.[illegible]70 ± 0.177 (10)	1.332 ± 0.058 (10)	1.411 ± 0.168 (10)
LIVER	5.060 ± 0.281 (10)	4.984 ± 0.521 (10)	5.333 ± 0.335 (10)	5.705 ± 0.486 (10)*
SPLEEN	0.304 ± 0.058 (10)	0.332 ± 0.110 (10)	0.313 ± 0.087 (10)	0.352 ± 0.044 (10)
GONADS	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 35

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE RELATIVE ORGAN WEIGHT VALUES - WEEK 105
[(g ORGAN WEIGHT/g BODY WEIGHT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	38.2 ± 5.3 (42)	38.9 ± 4.1 (41)	37.1 ± 4.0 (42)	34.1 ± 3.6 (43)*
BRAIN	1.308 ± 0.179 (42)	1.256 ± 0.136 (41)	1.313 ± 0.144 (42)	1.411 ± 0.166 (43)*
HEART	0.617 ± 0.130 (42)	0.642 ± 0.241 (41)	0.599 ± 0.104 (42)	0.611 ± 0.062 (43)
KIDNEYS	1.871 ± 0.230 (42)	1.956 ± 0.255 (41)	1.919 ± 0.183 (42)	2.120 ± 0.200 (43)*
LIVER	5.270 ± 1.183 (33)	5.148 ± 0.715 (37)	5.235 ± 0.806 (33)	5.905 ± 1.381 (39)*
SPLEEN	0.880 ± 0.948 (42)	0.427 ± 0.618 (41)*	0.442 ± 0.278 (42)*	0.629 ± 1.227 (43)
GONADS	0.542 ± 0.069 (42)	0.547 ± 0.065 (41)	0.566 ± 0.053 (42)	0.609 ± 0.071 (43)*

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 36

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE RELATIVE ORGAN WEIGHT VALUES - WEEK 105
[(g ORGAN WEIGHT/g BODY WEIGHT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	36.5 ± 4.9 (38)	36.5 ± 5.5 (40)	38.8 ± 4.5 (47)	33.1 ± 4.8 (48)*
BRAIN	1.430 ± 0.232 (38)	1.415 ± 0.222 (40)	1.297 ± 0.160 (47)*	1.527 ± 0.242 (48)
HEART	0.528 ± 0.099 (38)	0.530 ± 0.098 (40)	0.480 ± 0.096 (47)	0.542 ± 0.096 (48)
KIDNEYS	1.452 ± 0.323 (38)	1.476 ± 0.390 (40)	1.355 ± 0.198 (47)	1.562 ± 0.247 (48)
LIVER	5.140 ± 0.800 (38)	5.598 ± 1.972 (38)	4.838 ± 0.695 (46)	5.538 ± 0.807 (44)
SPLEEN	0.855 ± 0.771 (38)	1.054 ± 1.541 (40)	0.728 ± 0.753 (46)	0.798 ± 0.616 (47)
GONADS	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 37

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ORGAN WEIGHT VALUES (g) - WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	32.4 ± 2.5 (10)	36.4 ± 4.3 (10)*	33.9 ± 4.0 (10)	34.4 ± 1.7 (10)
BRAIN	0.484 ± 0.020 (10)	0.478 ± 0.017 (10)	0.475 ± 0.018 (10)	0.471 ± 0.021 (10)
HEART	0.172 ± 0.018 (10)	0.180 ± 0.019 (10)	0.173 ± 0.018 (10)	0.183 ± 0.015 (10)
KIDNEYS	0.545 ± 0.067 (10)	0.605 ± 0.058 (10)	0.589 ± 0.052 (10)	0.605 ± 0.072 (10)
LIVER	1.712 ± 0.173 (10)	1.935 ± 0.233 (10)*	1.828 ± 0.215 (10)	1.964 ± 0.148 (10)*
SPLEEN	0.101 ± 0.019 (10)	0.092 ± 0.016 (10)	0.093 ± 0.014 (10)	0.107 ± 0.023 (10)
GONADS	0.230 ± 0.014 (10)	0.237 ± 0.021 (10)	0.234 ± 0.017 (10)	0.226 ± 0.023 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 38

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ORGAN WEIGHT VALUES (g) - WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	29.1 ± 2.2 (10)	30.5 ± 3.1 (10)	30.0 ± 4.9 (10)	27.4 ± 1.9 (10)
BRAIN	0.502 ± 0.013 (10)	0.486 ± 0.017 (10)	0.501 ± 0.014 (10)	0.499 ± 0.018 (10)
HEART	0.137 ± 0.012 (10)	0.135 ± 0.009 (10)	0.135 ± 0.016 (10)	0.129 ± 0.011 (10)
KIDNEYS	0.393 ± 0.046 (10)	0.395 ± 0.020 (10)	0.406 ± 0.056 (10)	0.401 ± 0.044 (10)
LIVER	1.507 ± 0.141 (10)	1.593 ± 0.118 (10)	1.618 ± 0.254 (10)	1.528 ± 0.149 (10)
SPLEEN	0.083 ± 0.006 (10)	0.096 ± 0.016 (10)	0.092 ± 0.012 (10)	0.096 ± 0.014 (10)
GONADS	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 39

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ORGAN WEIGHT VALUES (g) - WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	39.7 ± 3.4 (10)	40.1 ± 3.1 (10)	40.7 ± 3.2 (10)	36.0 ± 3.2 (10)*
BRAIN	0.480 ± 0.032 (10)	0.485 ± 0.017 (10)	0.489 ± 0.023 (10)	0.490 ± 0.023 (10)
HEART	0.197 ± 0.016 (10)	0.211 ± 0.021 (10)	0.199 ± 0.022 (10)	0.200 ± 0.016 (9)
KIDNEYS	0.672 ± 0.076 (10)	0.707 ± 0.066 (10)	0.675 ± 0.072 (10)	0.685 ± 0.057 (10)
LIVER	2.167 ± 0.268 (10)	2.197 ± 0.196 (10)	2.135 ± 0.363 (10)	2.037 ± 0.173 (10)
SPLEEN	0.103 ± 0.024 (10)	0.098 ± 0.019 (10)	0.100 ± 0.012 (10)	0.108 ± 0.021 (10)
GONADS	0.233 ± 0.014 (10)	0.233 ± 0.013 (10)	0.232 ± 0.011 (10)	0.207 ± 0.055 (10)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 40

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ORGAN WEIGHT VALUES (g) - WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	32.9 ± 3.2 (10)	34.0 ± 6.0 (10)	32.5 ± 2.7 (10)	32.6 ± 4.3 (10)
BRAIN	0.499 ± 0.019 (10)	0.473 ± 0.050 (10)	0.497 ± 0.012 (10)	0.497 ± 0.025 (10)
HEART	0.146 ± 0.014 (10)	0.145 ± 0.009 (10)	0.136 ± 0.012 (10)	0.148 ± 0.011 (10)
KIDNEYS	0.445 ± 0.045 (10)	0.424 ± 0.047 (10)	0.433 ± 0.035 (10)	0.455 ± 0.040 (10)
LIVER	1.663 ± 0.173 (10)	1.676 ± 0.239 (10)	1.731 ± 0.126 (10)	1.851 ± 0.222 (10)
SPLEEN	0.099 ± 0.013 (10)	0.112 ± 0.043 (10)	0.101 ± 0.026 (10)	0.114 ± 0.015 (10)
GONADS	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 41

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MALE ORGAN WEIGHT VALUES (g) - WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	38.2 ± 5.3 (42)	38.9 ± 4.1 (41)	37.1 ± 4.0 (42)	34.1 ± 3.6 (43)*
BRAIN	0.492 ± 0.030 (42)	0.484 ± 0.027 (41)	0.481 ± 0.024 (42)	0.477 ± 0.035 (43)
HEART	0.232 ± 0.038 (42)	0.247 ± 0.084 (41)	0.220 ± 0.035 (42)	0.208 ± 0.026 (43)
KIDNEYS	0.712 ± 0.113 (42)	0.756 ± 0.081 (41)	0.709 ± 0.085 (42)	0.723 ± 0.101 (43)
LIVER	2.097 ± 0.549 (33)	2.016 ± 0.266 (37)	1.969 ± 0.343 (33)	2.021 ± 0.485 (39)
SPLEEN	0.335 ± 0.375 (42)	0.163 ± 0.236 (41)*	0.160 ± 0.091 (42)*	0.217 ± 0.439 (43)
GONADS	0.207 ± 0.030 (42)	0.211 ± 0.022 (41)	0.209 ± 0.023 (42)	0.207 ± 0.027 (43)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 42

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
FEMALE ORGAN WEIGHT VALUES (g) - WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

ORGAN	0.0 mg/kg/day	1.5 mg/kg/day	10.0 mg/kg/day	70.0 mg/kg/day
BODY WT	36.5 ± 4.9 (38)	36.5 ± 5.5 (40)	38.8 ± 4.5 (47)	33.1 ± 4.8 (48)*
BRAIN	0.511 ± 0.027 (38)	0.506 ± 0.030 (40)	0.496 ± 0.024 (47)*	0.496 ± 0.031 (48)*
HEART	0.190 ± 0.029 (38)	0.191 ± 0.031 (40)	0.184 ± 0.031 (47)	0.178 ± 0.033 (48)
KIDNEYS	0 521 ± 0.093 (38)	0.527 ± 0.093 (40)	0.521 ± 0.072 (47)	0.510 ± 0.060 (48)
LIVER	1.858 ± 0.283 (38)	2.015 ± 0.605 (38)	1.867 ± 0.260 (46)	1.835 ± 0.313 (44)
SPLEEN	0.307 ± 0.266 (38)	0.364 ± 0.522 (40)	0.282 ± 0.306 (46)	0.254 ± 0.168 (47)
GONADS	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)	---- ± 0.000 (0)

* = SIGNIFICANTLY DIFFERENT FROM 0.0 mg/kg/day GROUP

Table 43

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the B6C3F1 Hybrid Mouse.

Statistical Evaluation of Histopathological Lesions for the 12-24 Month MS/SD and Terminal Sacrificed Females

	DOSE (mg/kg/day)			
	0.0	1.5	10.0	70.0
KIDNEYS - LEUKEMIA/MALIGNANT LYMPHOMA				
PRESENT	5(9.2%)	11(20.4%)	8(14.8%)	10(18.5%)
ABSENT	49	43	46	44
SPLEEN - LEUKEMIA/MALIGNANT LYMPHOMA				
PRESENT	9(16.7%)	15(27.8%)	17(31.5%)	21*(38.9%)
ABSENT	45	39	37	33
LIVER - ADENOMA/CARCINOMA				
PRESENT	5(9.2%)	11(20.4%)	8(14.8%)	10(18.5%)
ABSENT	49	43	46	44

* $P < .01$

FIGURES

FIGURE 1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MEAN HCT VALUES (PERCENT) VS TIME
MALES AND FEMALES COMBINED

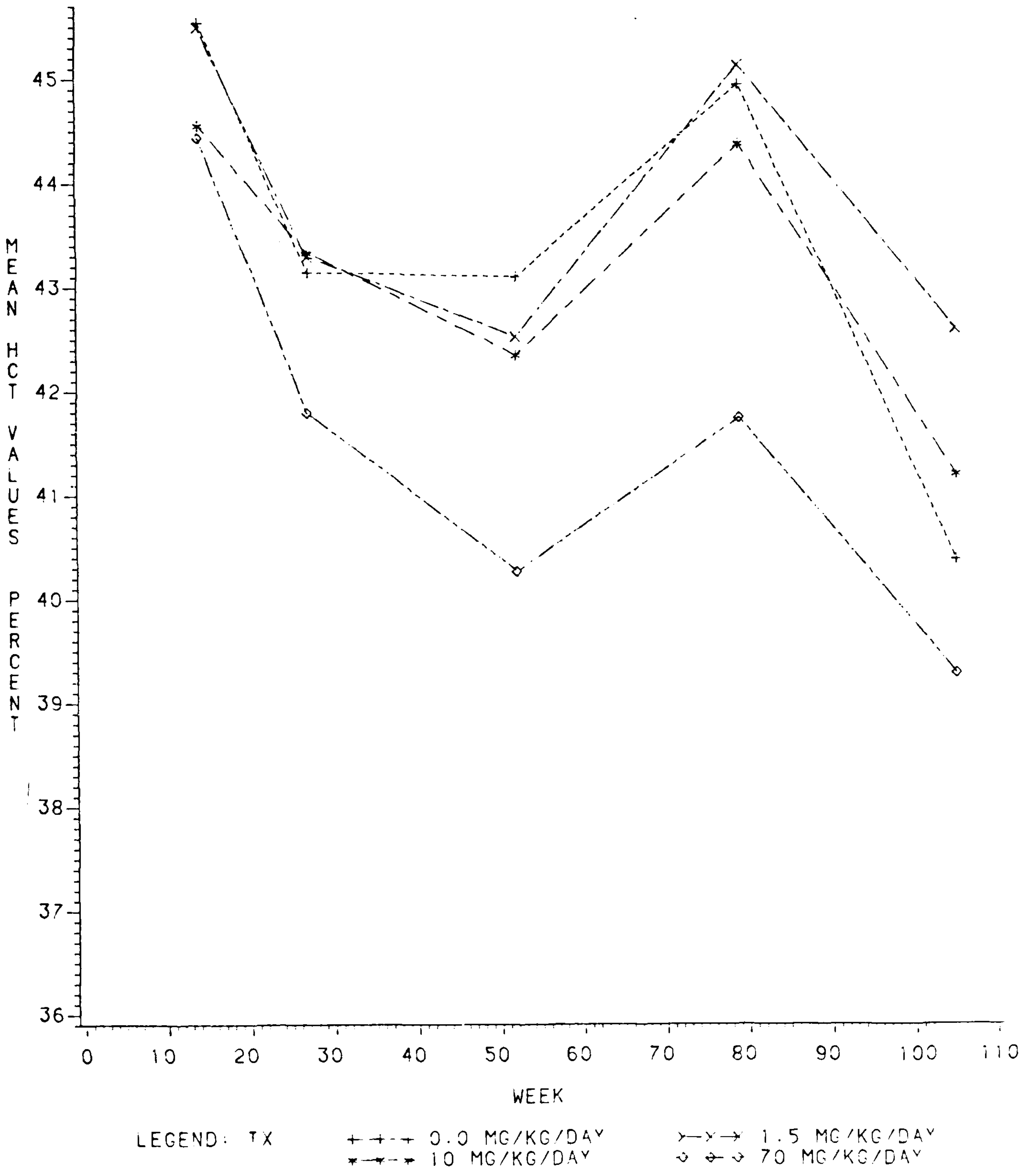
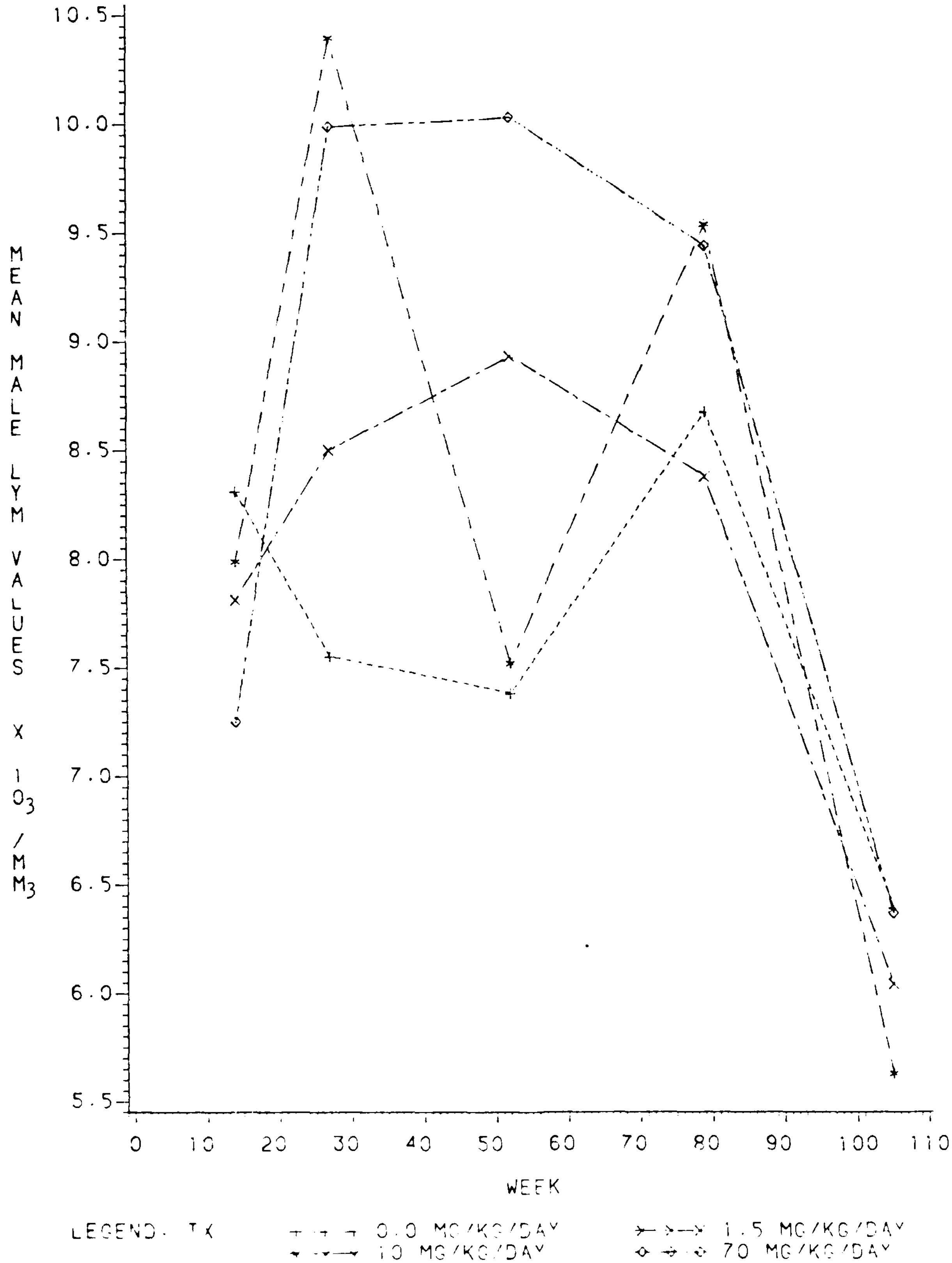


FIGURE 2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE B6C3F1 HYBRID MOUSE
MEAN MALE LYM VALUES (X 10^3/MM^3) VS TIME



APPENDIX I

TEST ARTICLE ANALYSIS

APPENDIX IA

ANALYSIS OF THE TNT TEST ARTICLE

SCOPE

1.1 The procedure describes the analysis of the TNT test article for purity.

1.2 This method is recommended for use only by experienced analysts famiiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified person.

INTERFERENCES

2.1 Solvents, reagents, glassware and other sample processing hardware may yeild discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method bland.

EQUIPMENT

3.1 Higher Performance Liquid Chromatography

- constant flow, isocratic pumping system
- reverse phase column, 10 μ - 3.9 mm x 30 cm μ-Bondpak C_{18} column
- ultraviolet detector capable of monitoring λ = 254 nm
- strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calculation

REAGENTS

4.1 Benzophenone, an internal standard, Aldrich Chemical Company (Purity 99%)

4.2 Methanol, Acetronitrile, and Water HPLC Grade or equivalent

4.3 Standard Army Reference Material (S.A.R.M.) 2,4,6-TNT, Supplied by sponsor (purity 99.8)

CALIBRATION

5.1 Calibration standards were prepared from stock solutions containing 200 μg TNT, and benzophenone per ml acetonitrile so as to bracket

the working range of the chromatographic system. These concentrations were: 2 μg/ml, 10 μg/ml, 20 μg/ml, and 40 μg/ml.

5.2 A constant injection volume of 10 μl was employed for all measurements.

5.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20 μg/ml solution were made.

5.4 Retention times should remain relatively constant (within + 5% day to day) with TNT being 5.1 minutes, and benzophenone 8.2 minutes under the specified conditions. If the retention times are not within ± 5%, supervising chemist should be informed prior to the analysis and corrective actions should be taken.

QUALITY CONTROL

6.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free.

6.2 In a typical sample set, a minimum of one blank and five samples will be analyzed.

6.3 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and Q.A. officer will review and approve all the changes.

SAMPLE PREPARATION

7.1 The test article will be spread on a sheet of paper, and five samples will be taken from different areas. Each sample shall have a weight of ∿150 mg. The samples will be collected in amber vials and stored at refrigerator temperatures in the dark until analysis.

7.2 A portion of the sample (100 mg) will be weighed and transferred to a 100 ml volumetric flask. The internal standard will be added and it will be added and it will be diluted to volume. It will be further diluted to a concentration of 20 μg/ml and analyzed by high performance liquid chromatography.

7.3 If the sample is not analyzed immediately it will be stored at refrigerator temperatures in the desk.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

8.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column 3.9 mm x 30.0 cm μ-Bondpak C_{18}; Solvent System, mentanol:water (70%:30%, v/v); Flow Rate, 1.0 ml/min;

Detection, UV at 254 nm; Sensitivity, 0.1 AUFS. The retention times of TNT and benzophenone were 5.1 and 8.2 minutes, respectively. The limit of detection was 2 μg TNT/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure IA.1.

8.2 The chromatographic system was calibrated daily with a minimum of two injections of our standard representative of chromatographic range.

8.3 An injection volume of 10.0 μl was used for each sample. If the peak area exceed the linear range of a sample it was diluted and reanalyzed.

CALCULATIONS

9.1 Determine the concentration of TNT using the formula:

$$\% \text{ TNT in Sample} = \frac{(Ax)\ (Wis) \times D \times 100}{(Fx)\ Ais\ (Ws)}$$

where

Ax = Area (X) where x is TNT

Ais = Area (internal standard)

$Fx = \dfrac{\text{Area (X)} \times \text{weight (is)}}{\text{Area (is)} \times \text{weight (Wx)}}$

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Wt of component x is TNT

9.2 The results should be reported in percent TNT in the sample. Where replicate samples are analyzed, all data should be reported. All results were recorded in standard IITRI logbooks and these plus chromatograms and data tapes were retained in the Chemistry Division Q.A. files.

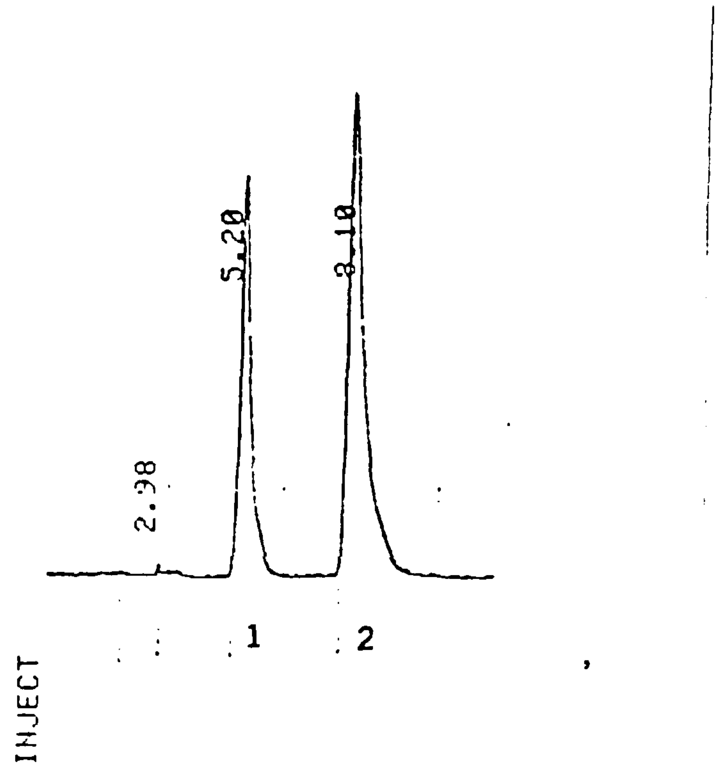


Figure IA.1 Chromatogram of TNT (1) benzophenone (2) standard, 20 μg/ml

APPENDIX IB

ANALYSIS OF TNT IN DIETS

SCOPE AND APPLICATION

1.1 This method covers the determination of TNT in diets from the 0.0005% to 0.1% level.

1.2 The sensitivity of this method is dependent on the level of interferences present in the samples, rather than the instrumental limitations.

1.3 This method is recommended for use only by experienced analysts familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

SUMMARY OF THE METHOD

2.1 A weighed quantity of the sample was stirred with 50 ml of acetonitrile for 30 minutes. The suspension was filtered through a porous glass filter and the filtrate was transferred with washings to a volumetric flask. Benzophenone, the internal standard was added to the filtrate or a portion, thereof and this solution was diluted to its final volume. The samples were analyzed using reverse phase high performance liquid chromatography. Each was eluted on 3.9 mm x 30.0 cm μ-Bondapak C_{18} column with methanol:water (70%:30%) and the eluant was monitored with an ultraviolet absorption detector at λ = 254 nm.

INTERFERENCES

3.1 Solvents, reagents, glassware, and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.

3.2 Interferences coextracted from the samples will vary considerably from source to source, depending on the type of animal feed used in the study.

MATERIALS

4.1 Erlenmeyer flasks, 125 ml.

4.2 Filtering apparatus, vacuum flask, 125 ml; fritted glass filters, porosity M, ASTM 10-20 microns.

EQUIPMENT

5.1 Mettler Grammatic Analytical Balance, No. 1-910

5.2 Corning Hot Plate Stirrers, BC 351

5.3 Buchi Evaporator, Model R

5.4 Sample Clarification Kit, Organic (Water's Associates)

5.5 Higher Performance Liquid Chromatography

- constant flow, isocratic pumping system
- reverse phase column, 10 μ - 3.9 mm x 30 cm μ-Bondapak C_{18} column
- ultraviolet detector capable of monitoring λ = 254 nm
- strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calibration.

REAGENTS

6.1 Benzophenone, an internal standard, Aldrich Chemical Company (Purity 99%)

6.2 Methanol, Acetonitrile, and water, HPLC Grade or equivalent

6.3 S.A.R.M. 2,4,6-TNT, Supplied by sponsor (Purity 99.8%)

CALIBRATION

7.1 Calibration standards were prepared from stock solutions containing 200 μg TNT, and benzopheone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 0.5 μg/ml, 2 μg/ml, 10 μg/ml, 20 μg/ml, and 40 μg/ml.

7.2 A constant injection volume of 10 μl was employed for all measurements.

7.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20 μg/ml solution were made.

7.4 Retention times should remain relatively constant (within ±5% day to day) with TNT being 5.1 minutes, and benzophenone 8.2 minutes under the specified conditions. If the retention times are not within ±5%, supervising chemist should be informed prior to the analysis and corrective actions should be taken.

QUALITY CONTROL

8.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free. Each time a set of samples is extracted or there is a change in reagents, a method blank should be processed as a safeguard against laboratory contamination.

8.2 Standard quality assurance practices were used with this method. A minimum of six replicate spiked samples were analyzed to validate the accuracy of the method. If doubt should arise concerning the identity of the peak on a chromatogram, confirmatory techniques such as mass spectrometry should be used.

8.3 In a typical sample set, a minimum of one blank and scheduled samples will be analyzed. A control sample will be prepared by adding a known concentration of TNT to the sample. The concentration will be in the working range of chromatographic system as determined by calibration experiment.

8.4 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and the Q.A. officer will review and approve all the changes.

8.5 The typical analysis will consist of the following samples, one blank sample, 6 diet samples as is, 3 feed samples spiked for recovery determination at the diet concentration.

SAMPLE COLLECTION

9.1 Samples are collected and stored prior to analysis according to SOP 81 sample collection (TNT and RDX diet samples).

SAMPLE EXTRACTION

10.1 The appropriate amount of sample is weighed into a 125 ml Erlenmeyer flask using standard operating procedures. The sample amount for the diet mixture is ten grams. Approximately 50 mls of acetonitrile is added to the flask and it is stoppered. The sample is extracted by stirring for 30 minutes only at room temperature.

10.2 Following extraction, the sample was filtered through a medium porosity fritted glass filter. In this operation the extraction mixture was swirled to form a uniform suspension and immediately poured into the glass funnel. A stirring rod was used to drain the last drop of liquid from the flask.

10.3 The extraction flask was rinsed with three portions of acetonitrile of approximately three mls each and the rinses are poured into the funnel. The vacuum is reapplied and the washing process is completed.

10.4 The filtrate is transferred via a short-stem funnel into a volumetric flask. The filtering flask is rinsed three times, with approximately 5 ml portions of acetonitrile and the rinses are added to the volumetric flask. The size of the volumetric flask and the subsequent treatment of the sample depend on the initial TNT concentration in the sample. The dilution for various sample levels is shown in Table IB.1. Diet samples will be diluted to a volume that places them in the working range of the chromatographic system.

10.5 An aliquot (approximately 10 ml) is filtered using a Water's Organic Sample Clarification Kit using 0.5 μm filter. The sample is now ready for analysis for HPLC.

TABLE IB.1. DILUTION SCHEME FOR TNT DIET SAMPLES

Diet Level (%)	Extract Volume (ml)	Extract Diluted (ml)	Benzophenone (IS) Added	Final Volume (ml)
0.0005	100	--	1 ml 50 μg/ml	100
0.0050	100	--	1 ml 500 μg/ml	100
0.010	100	--	1 ml 1000 μg/ml	100
0.050	100	10	1 ml 500 μg/ml	25
0.100	100	10	1 ml 1000 μg/ml	50

STORAGE OF SAMPLES

11.1 All samples including diet and blank feed will be stored in the dark at refrigerator temperatures.

11.2 If the sample preparation procedure is stopped at any point during the working day, the samples should be stored in stoppered vessels in the dark at refrigerator temperatures.

11.3 Samples that are ready for HPLC analysis will be stored in the dark at refrigerator temperatures.

11.4 TNT and benzophenone standards and all standard solutions will be stored in the dark at refrigerator temperatures.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

12.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9 mm x 30.0 cm µBondapak C_{18}; Solvent System, Methanol:Water (70%:30%, v/v); Flow Rate, 1.0ml/min; Dection,UV at 254 nm. The retention times of TNT and benzophenone were 5.1 and 8.2 minutes respectively. The limit of detection was 0.2 µg TNT/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure IB.1. For levels at and below 0.005% TNT, the chromatographic conditions have been changed. The eluting solvent in these cases is Methanol:Water (60%:40%, v/v) at a flow rate of 1.5 ml/min.

12.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of the chromatographic range.

12.3 An injection volume of 10.0 µl was used for each sample except at or below the 0.005% level them 25.0 µl was used. Each injection at the 0.0005% level was followed by 100µl of acetonitrile to speed along the long retaining impurities. If the peak area exceeds the linear range of a sample it was diluted and reanalyzed.

12.4 For the diets at and below the 0.005% level the retention times are 4.6 and 9.9 minutes for TNT and benzophenone respectively.

12.5 Following the completion of an analysis or set of analyses a gradient going from intial solvent to 100% methanol in 15 min will be used to elute nonpolar compounds from the column. Elution at 100% methanol will be continued for at least one hou

CALCULATIONS

13.1 Determine the concentration of TNT using the formula:

$$\%\ \text{TNT in Sample} = \frac{(Ax)(Wis) \times D \times 100}{(Fx)\ Ais\ (Ws)}$$

where

Ax = Area (X) where x is TNT

Ais = Area (internal standard)

$$Fx = \frac{\text{Area (x)} \times \text{weight (is)}}{\text{Area (is)} \times \text{weight (Wx)}}$$

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Wt of component x is TNT

13.2 The results should be reported in percent TNT in the sample. Where replicate samples are analyzed, all data should be reported. All results are recorded in standard IITRI logbooks and these plus chromatograms and data tapes are retained in the Chemistry Division Q.A. files.

SAFETY

14.1 Safety regulations will be followed at all times especially with regard to the handling of toxic materials. When the diet samples are being handled, a lab coat and gloves will be appropriate attire. When solutions or extracts are being handled, a lab coat and gloves should be worn when there is the chance of direct contact with these materials.

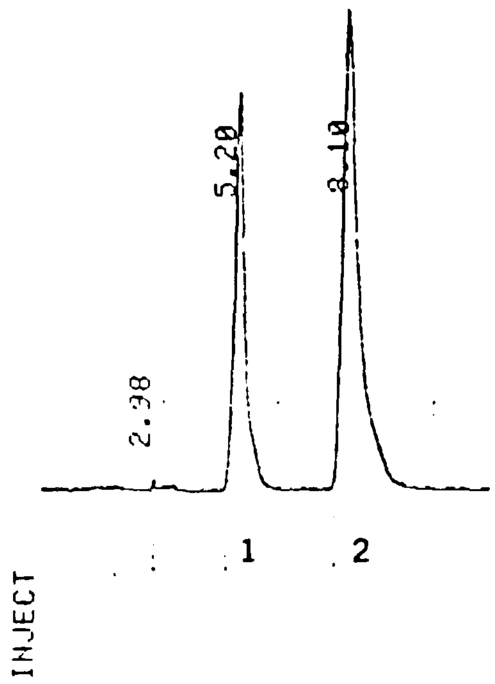


Figure IB.1 Chromatogram of TNT (1) benzophenone (2) standard, 20 µg/ml

APPENDIX IC

ANALYSIS OF TNT IN DIET PREMIXES

SCOPE AND APPLICATION

1.1 This method covers the determination of TNT in diet premixes at 10% and 50% level.

1.2 The sensitivity of this method is usually dependent on the level of interferences present in the samples, rather than the instrumental limitations.

1.3 This method is recommended for use only by experienced analysts familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

SUMMARY OF THE METHOD

2.1 A weighed quantity of the premix was stirred with 50 ml of acetonitrile for 30 minutes. The suspension was filtered through a porous glass filter and the filtrate was transferred with washings to a volumetric flask. Benzophenone, the internal standard was added to the filtrate or a portion, thereof and this solution was diluted to its final volume. The samples were analyzed using reverse phase high performance liquid chromatography. Each was eluted on 3.9 mm x 30.0 cm μ-Bondapak C_{18} column with methanol: water (70%:30%) and the eluant was monitored with an ultraviolet absorption detector at λ = 254 nm.

INTERFERENCES

3.1 Solvents, reagents, glassware, and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.

3.2 Interferences coextracted from the samples will vary considerably from source to source, depending on the type of animal feed used in the study.

MATERIALS

4.1 Erlenmeyer flasks, 125 ml.

4.2 Filtering apparatus, vacuum flask, 125 ml; fritted glass filters, porosity M, ASTM 10-20 microns.

EQUIPMENT

5.1 Mettler Grammatic Analytical Balance, No. 1-910

5.2 Corning Hot Plate Stirrers, BC 351

5.3 Buchi Evaporator, Model R

5.4 Sample Clarification Kit, Organic (Water's Associates)

5.5 Higher Performance Liquid Chromatography

- constant flow, isocratic pumping system
- reverse phase column, 10 μ - 3.9 mm x 30 cm μ-Bondapak C_{18} column
- ultraviolet detector capable of monitoring λ = 254 nm
- strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calculation.

REAGENTS

6.1 Benzophenone, an internal standard, Aldrich Chemical Company (Purity 99%)

6.2 Methanol, Acetonitrile, and Water, HPLC Grade or equivalent

6.3 S.A.R.M. 2,4,6-TNT, Supplied by sponsor (Purity 99.8%)

CALIBRATION

7.1 Calibration standards were prepared from stock solutions containing 200 μg TNT, and benzophenone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 2 μg/ml, 10 μg/ml, 20 μg/ml, and 40 μg/ml.

7.2 A constant injection volume of 10 μl was employed for all measurements.

7.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20 μg/ml solution were made.

7.4 Retention times should remain relatively constant (within ±5% day to day) with TNT being 5.1 minutes, and benzophenone 8.2 minutes under the specified conditions. If the retention times are not within ±5%, the supervising chemist should be informed prior to the analysis and corrective actions should be taken.

QUALITY CONTROL

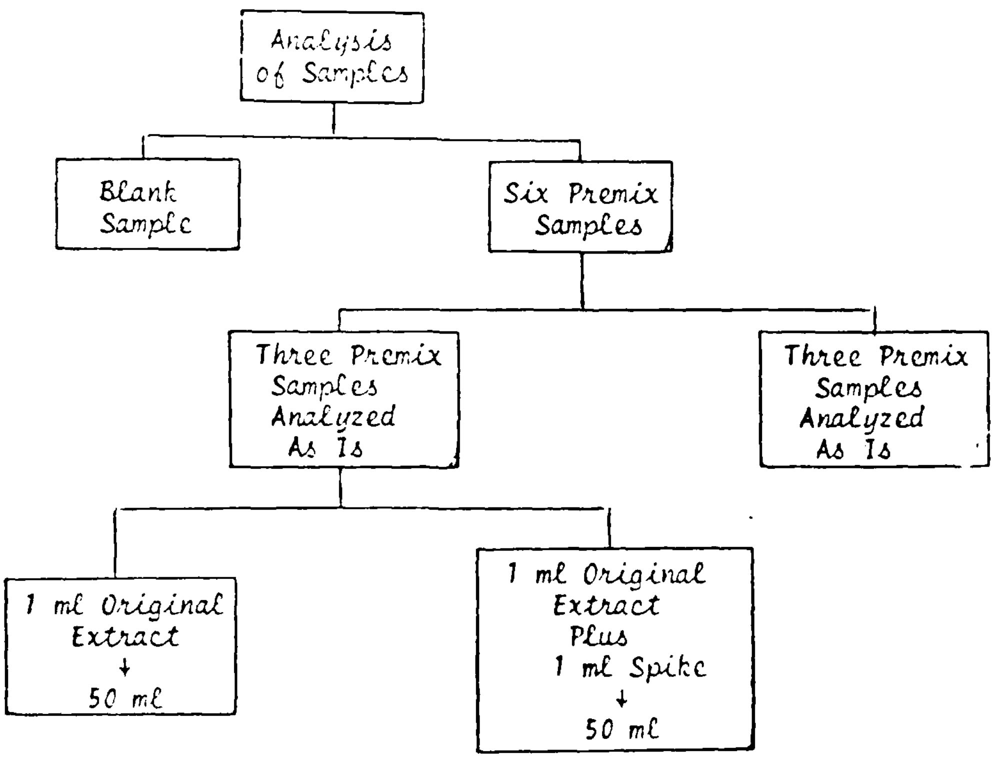
8.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free. Each time a set of samples is extracted or there is a change in reagents, a method blank should be processed as a safeguard against laboratory contamination.

8.2 Standard quality assurance practices were used with this method. A minimum of six replicate spiked samples were analyzed to validate the accuracy of the method. If doubt should arise concerning the identity of the peak on a chromatogram, confirmatory techniques such as mass spectrometry should be used.

8.3 In a typical sample set, a minimum of one blank and scheduled samples will be analyzed. A control sample will be prepared by adding a known concentration of TNT to the sample. The concentration will be in the working range of chromatographic system as determined by calibration experiments.

8.4 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and the QA officer will review and approve all the changes.

8.5 The typical analysis will consist of the following samples shown in the diagram, one blank sample, 6 premix samples as is, 3 spiked samples.



SAMPLE COLLECTION

9.1 Samples are collected and stored prior to analysis according to SOP 81 Sample Collection and Storage (TNT and RDX Premix).

SAMPLE EXTRACTION

10.1 The appropriate amount of sample is weighed into a 125 ml Erlenmeyer flask using standard operating procedures. The sample amount for both the 10 percent and 50 percent premix is one gram. Approximately 50 mls of acetonitrile is added to the flask and it is stoppered. The sample is extracted by stirring for only 30 minutes at room temperature.

10.2 Following extraction, the sample was filtered through a medium porosity fritted glass filter. In this operation the extraction mixture was swirled to form a uniform suspension and immediately poured into the glass funnel. A stirring rod was used to drain the last drop of liquid from the flask.

10.3 The extraction flask was rinsed with three portions of acetonitrile of approximately five mls each and the rinse is poured into the funnel. The vacuum is reapplied and the washing process is completed.

10.4 The filtrate is transferred via a short-stem funnel into a volumetric flask. The filtering flask is rinsed three times, with approximately 5 ml portions of acetonitrile and the rinses are added to the volumetric flask. The size of the volumetric flask and the subsequent treatment of the sample depend on the initial TNT concentration in the sample. The dilution for samples is shown in Table IC.1.

10.5 An aliquot (approximately 10 ml) is filtered using a Water's Organic Sample Clarification Kit using 0.5 µm filter. The sample is now ready for analysis for HPLC.

TABLE IC.1. DILUTION SCHEME FOR SAMPLE EXTRACTS

Premix Concentration	10%	50%
Original Extract Volume	100 ml	500 ml
Secondary Dilution	1 ml extract plus 1 ml I.S. to volume of 50 ml with acetonitrile	1 ml extract plus 1 ml I.S. to volume of 50 ml with acetonitrile

1. I.S. solution concentration is 1000 µg/ml.
2. In the case of a sample analyzed by the method of standard addition 1 ml of the original extract was diluted with 50 ml acetonitrile, and 1 ml of the extract added to 1 ml of the spiking solution of known concentration was diluted with acetonitrile as above.

STORAGE OF SAMPLES

11.1 All samples including premixes and blank feed will be stored in the dark at refrigerator temperatures.

11.2 If the sample preparation procedure is stopped at any point during the working day, the samples should be stored in stoppered vessels in the dark at refrigerator temperatures.

11.3 Samples that are ready for HPLC analysis will be stored in the dark at refrigerator temperatures.

11.4 TNT and benzophenone standards and all standard solutions will be stored in the dark at refrigerator temperatures.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

12.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9 mm x 30.0 cm µ-Bondapak C_{18}; Solvent System, methanol:water (70%:30%, v/v); Flow Rate, 1.0 ml/min; Detection, UV at 254 nm; Sensitivity, 0.1 AUFS. The retention times of TNT and benzophenone were 5.1 and 8.2 minutes, respectively. The limit of detection was 2 µg TNT/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure IC.1.

12.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of chromatographic range.

12.3 An injection volume of 10.0 µl was used for each sample. If the peak area exceed the linear range of a sample it was diluted and reanalyzed.

12.4 Following the completion of an analysis or set of analyses, a gradient going from initial solvent conditions to 100% methanol in 15 minutes will be used to elute polar compounds from the column. Elution at 100% methanol will be continued for at least 1 hour.

CALCULATIONS

13.1 Determine the concentration of TNT using the formula:

$$\%\ \text{TNT in Sample} = \frac{(Ax)(Wis) \times D \times 100}{(Fx)\ Ais\ (Ws)}$$

where

Ax = Area (x) where x is TNT

Ais = Area (internal standard)

$$Fx = \frac{\text{Area (X)} \times \text{weight (is)}}{\text{Area (is)} \times \text{weight (Wx)}}$$

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Wt of component x is TNT

13.2 The results should be reported in percent TNT in the sample. Where replicate samples are analyzed, all data should be reported. All results were recorded in standard IITRI logbooks and these plus chromatograms and data tapes were retained in the Chemistry Division Q.A. files.

SAFETY

14.1 Safety regulations will be followed at all times especially with regard to the handling of toxic materials. When the premix samples are being handled, a lab coat, gloves, and a mask will be appropriate attire. When solutions or extracts are being handled, a lab coat and gloves should be worn when there is the chance of direct contact with these materials.

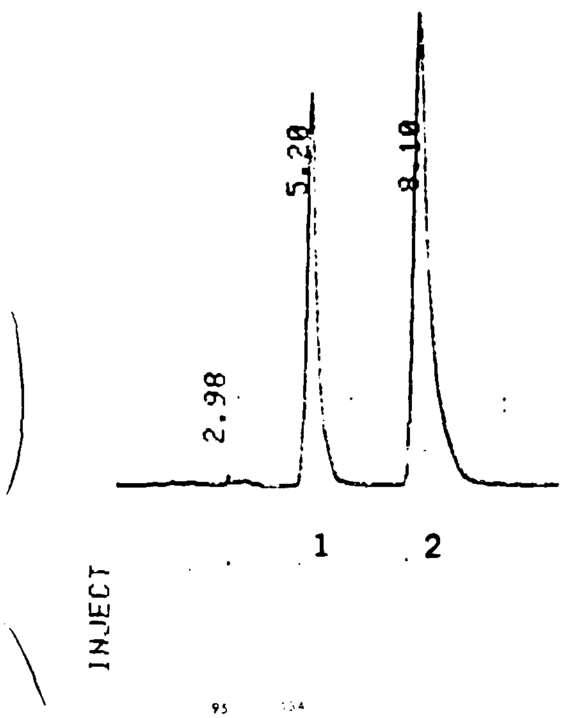


Figure IC.1 Chromatogram of TNT (1) benzophenone (2) standard, 20 μg/ml

APPENDIX ID

SAMPLE COLLECTION AND STORAGE (TNT AND/OR RDX PREMIX SAMPLES)

Scope

1.1 This procedure covers the collection and storage of TNT and RDX premix samples prior to analysis.

Materials and Equipment

2.1 Small scoop

2.2 Powder funnel

2.3 Amber vials with plastic screw cap

Sample Collection

3.1 Personnel of the Life Sciences Division will inform the supervising chemist and the analyst when they receive TNT or RDX premixes. The analyst will collect 6 samples from the Velostat bag container, one from each of four corners and two from the middle. At least 5.0 gram quantities of premix will be collected in order to permit the extraction and analysis steps to be performed in duplicate. All samples will be identified according to the Chemistry Division identification system. All detailed information will be placed in the sample identification logbook immediately.

The sampling procedure for the premix will be performed as follows: One sample is removed from the center of the storage bag with a small scoop which will permit the removal of a 5.0g quantity. The second sample will also be removed from the center of the container in the same manner as the first sample but at a deeper level.

After center sampling, the surface of the premix is restored by leveling and four additional samples will be removed with a small scoop from each of the four corners of the bag at gradually increasing depths by lifting the corners of the bag. The 6 samples will be labeled and placed in amber vials with plastic screw caps. The label will contain Date Sampled, Sample Number, Premix Identification, Lot Number and Sampled by Initials.

<u>Sample Storage</u>

4.1 All samples will be stored at refrigerator temperatures in the dark prior to analysis. This includes feed that will be used for blanks and control samples. Every three months (from manufacturing date) feed will be changed. This manufacturing date will be supplied by Life Science

<u>Transmittal Record</u>

5.1 Transmitted record will be completed by responsible personnel. A copy of Test Article Premix (T.A.P.) and/or T.A.P. Sample Transmittal (or custody) record is attached (Figure ID.1).

<u>Sample Disposal</u>

6.1 Samples or parts of samples will be returned to the Safety Officer for disposal.

FIGURE 1D.1

TEST ARTICLE PREMIX (T.A.P.) AND/OR T.A.P. SAMPLE TRANSMITTAL (OR CUSTODY) RECORD

Project No. - Study No(s). ________________ T.A.P. ____________________

Lot No. ____________ T.A.P. Prepared (K.O.P.) Date/By: ________________

Intended Concentration: _____% Quantity (kg): _________ 5002 Lot No.: ______

Logbook No./Page No. __________ Storage Conditions of T.A.P. (K.O.P.):________

____

T.A.P. Received (L.S.R.) Date/By:_________ Logbook No./Page No.:____________

Storage Conditions of T.A.P. in L.S.R.:__________________________________

T.A.P. SAMPLING AND ANALYSIS

T.A.P. Sampled Date/By:________________ Logbook No./Page No.: ____________

Witnessed By/Date:_____________ Storage Conditions of T.A.P. Sample by Chemistry Personnel: ____

Extraction Performed By/Date: ________ Logbook No./Page No.: ____________

Analysis Performed By/Date: __________ Logbook No./Page No.: ____________

Data Reviewed & Approved By/Date: ___________________________

Analytical Report Prepared By/Date: _____________ Checked By/Date: _________

Quality Assurance Check By/Date: ____________________________

Analytical Report Received (L.S.R. Supervisor) By/Date: ____________________

T.A.P. First Used By/Date: __________ T.A.P. Last Used By/Date: ___________

Excess T.A.P. Submitted to K.O.P. Personnel for Disposal by Burning By/Date:

_____________ Quantity (kg) _____________

Excess T.A.P. Received By/Date: _____________

Key

K.O.P. = Kingsbury Ordinance Plant, La Porte, IN.
5002 = Purina Certified Rodent Chow 5002

APPENDIX II

5002 CERTIFICATION PROFILE/ANALYSIS

Certified Rodent Chow® #5002

Certified Rodent Chow is a controlled constant nutrient rodent diet recommended for life cycle feeding of rats, mice and hamsters. A sample of this product has been assayed for certain environmental contaminants. Maximum diet control is achieved by pre-analysis monitoring of key nutrients and certain contaminating substances. Diet control helps minimize variables in research studies.

Guaranteed Analysis

Crude protein, min	20.0%
Crude fat, min	4.5%
Crude fiber, max	6.0%
Ash, max	8.0%
Added minerals, max	2.5%

Certification Profile

Based on analysis of a composite sample, each package contains not more than these maximum concentrations of the following substances.

Heavy Metals	**Maximum Concentration**
Arsenic	1.0 ppm
Cadmium	5 ppm
Lead	1.5 ppm
Mercury	2 ppm
Aflatoxin	10 ppb
Chlorinated Hydrocarbons and PCB	
Aldrin	05 ppm
Dieldrin	05 ppm
Endrin	05 ppm
Heptachlor	05 ppm
Heptachlor Epoxide	05 ppm
Lindane	05 ppm
Chlordane	05 ppm
DDT Related Substances	15 ppm
PCB	15 ppm
Organophosphates	
Thimet	5 ppm
Diazinon	5 ppm
Disulfaton	.5 ppm
Methyl Parathion	5 ppm
Malathion	5 ppm
Parathion	.5 ppm
Thiodan	5 ppm
Ethion	.5 ppm
Trithion	.5 ppm

Drugs and Estrogens — This product is manufactured in a plant where antibiotics and synthetic estrogens are strictly prohibited. Routine monitoring for over a decade has not shown any detectable levels of these substances. No drugs or synthetic estrogens are permitted in manufacturing, storage or warehousing to avoid any contamination of Lab Chows diets.

Other Contaminants — If additional contaminants assays are needed, these can be obtained by ordering such analyses **prior to manufacture.** Cost of these additional assays will be charged based on current analyses rates at time of assay.

Ingredients:

Ground extruded corn, soybean meal, wheat, ground oat groats, dried beet pulp, wheat germ meal, fish meal, brewers dried yeast, dehydrated alfalfa meal, cane molasses, dried milk products, meat and bone meal, wheat middlings, animal fat preserved with BHA, calcium carbonate, dicalcium phosphate, salt, animal liver meal, calcium iodate, vitamin B_{12} supplement, methionine hydroxy analogue calcium, calcium pantothenate, choline chloride, folic acid, riboflavin supplement, thiamin, niacin, pyridoxine hydrochloride, ferrous sulfate, vitamin A supplement, D activated animal sterol, vitamin E supplement, iron oxide, manganous oxide, cobalt carbonate, copper oxide, zinc oxide.

*Chemical Composition**

Nutrients**	
Protein %	20.0
Arginine %	1.13
Cystine %	27
Glycine %	86
Histidine %	49
Isoleucine %	1.03
Leucine %	1.58
Lysine %	1.18
Methionine %	43
Phenylalanine %	88
Threonine %	78
Tryptophan %	24
Valine %	1.05
Fat %	4.5
Fiber %	4.6
TDN %	77.0
NFE** (by difference) %	55.1
Gross Energy KCal/gm	4.1
Ash %	5.8
Calcium %	90
Phosphorus %	70
Potassium %	86
Magnesium %	21
Sodium %	30
Chlorine %	47
Fluorine, ppm	—
Iron, ppm	180.0
Zinc, ppm	52.4
Manganese, ppm	63.0
Copper, ppm	13.3
Cobalt, ppm	6
Iodine, ppm	1.2
Vitamins	
Carotene, ppm	5.6
Menadione (added), ppm	—
Thiamin, ppm	13.3
Riboflavin, ppm	8.0
Niacin, ppm	60.0
Pantothenic Acid, ppm	17.0
Choline, ppm x100	18.0
Folic Acid, ppm	4.0
Pyridoxine, ppm	6.0
Biotin, ppm	13
B-12, mcg/lb	9.0
Vitamin A, IU/gm	17.6
Vitamin D, IU/gm	2.2
Alpha-tocopherol, IU/lb	30.0
Ascorbic Acid, mg/gm	—

Feeding Directions

Feed ad libitum to rodents. Plenty of fresh, clean water should be available to the animals at all times.

Rats — Adult rats will eat 12 to 15 grams of diet per day. Feeders in rat cages should be designed to hold two to three days supply of feed at one time.

Mice — Adult mice will eat 4 to 5 grams of pelleted ration daily. Some of the larger strains may eat as much as 8 grams per day per animal. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

Hamsters — Adults will eat 10-14 grams per day.

LabChows.
The Control Factor.

*Based on latest ingredient analysis information. Since nutrient composition of natural ingredients varies, analysis will differ accordingly.

TEI ANALYTICAL, INC.
460 SOUTH NORTHWEST HIGHWAY • PARK RIDGE, ILLINOIS • 60068 • 312/696-2070

LABORATORY REPORT

October 29, 1982 #9166

Dr. Marianna Furedi
IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

P.O. #16092

Sample received
June 9, 1982

[TEI-14080] Rodent Chow #5002 - March 24-822G

	Result in ppm	* Method
Nitrate Nitrogen	19.0	7.030
Nitrite Nitrogen	0.24	7.030
Mercury	< 0.05	25.103
Arsenic	0.014	JAOAC 60.813
Cadmium	< 0.05	25.020
Lead	0.61	25.058
Penicillin	< 10	Snell & Snell, Colorimetric Methods of Analysis Vol IVAAA, p. 221
BHT	< 1.0	JAOAC 60,505
BHA	< 1.0	JAOAC 60,505
Total Estrogen	not detected	39.000
Chlortetracycline	to be reported at a later date	-
Aflatoxin B_1	< 0.005	26.003
Aflatoxin B_2	0.01 - 0.02	26.003
Aflatoxin G_1	< 0.005	26.003
Aflatoxin G_2	< 0.005	26.003
Dieldrin	< 0.001	29.000
Endrin	< 0.001	29.000
Aldrin	< 0.001	29.000
Heptachlor Epoxide	< 0.001	29.000
BHC	< 0.001	29.000

J. P. Marks

TEI ANALYTICAL, INC.

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LABORATORY REPORT

October 29, 1982

#9166

Dr. Marianna Furedi
IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

P.O. #16092

Sample received
June 9, 1982

[TEI-14080] Rodent Chow #5002 - March 24-822G

	Result in ppm	* Method
Lindane	< 0.001	29.000
DDT Total	< 0.001	29.000
Methoxychlor	< 0.001	29.000
Chlordane	< 0.001	29.000
Mirex	< 0.001	29.000
Toxaphene	< 0.001	29.000
Strobane	< 0.001	29.000
HCB	< 0.001	29.000
PCB	< 0.001	29.000
Polychlorinated Dioxins	< 0.006	28.128
Parathion	< 0.001	29.000
Methyl Parathion	< 0.001	29.000
Enthion	< 0.001	29.000
Carbophenothion	< 0.001	29.000
Malathion	< 0.001	29.000
Ronnel	< 0.001	29.000
Diazinon	< 0.001	29.000
Disulfeton	< 0.001	29.000
Phorate	< 0.001	29.000

*Official Methods of Analysis of the Association of Official Analytical Chemists.

APPENDIX III

TEI ANALYTICAL CHEMISTRY METHODS

ANALYTICAL PROCEDURES USED BY TEI ANALYTICAL, INC. PARK RIDGE, IL TO ANALYZE PURINA CERTIFIED RODENT CHOW NO. 5002 FOR IMPURITIES

Procedure	Limit of Detectability	References
Chlorinated Pesticide Screen	10 ppb	A.O.A.C. 29.000
Phosphated Pesticide Screen	50 ppb	A.O.A.C. 29.000
Polychlorinated Biphenyls (PCBs)	100 ppb	A.O.A.C. 29.000
Hexa-, hepta-, octachlorodibenzo-p-dioxin	<100 ppb	A.O.A.C. 28.128
Heavy Metals		
Arsenic	1.0 ppb	J.A.O.A.C. 60.813
Cadium	10 ppb	A.O.A.C. 25.026
Lead	10 ppb	A.O.A.C. 25.058
Mercury	<1 ppb	A.O.A.C. 25.103
Nitrates	<1.0 ppm	A.O.A.C. 7.030
Nitrites	<1.0 ppm	A.O.A.C. 7.030
Aflatoxins	2.0 ppb	A.O.A.C. 26.003
Penicillin	<2.0 ppm	Snell and Snell, Colorimetric Methods of Analysis Vol IV AAA, pg. 221
Chlortetracycline	10.0 ppm	Snell and Snell, Colorimetric Methods of Analysis Vol IV AAA, pg. 184
Butylated hydroxytoluene	1.0 ppm	J.A.O.A.C. 60.505
Butylated hydroxyanisole	1.0 ppm	J.A.O.A.C. 60.505
Estrogens	--------	A.O.A.C. 39.000

A.O.A.C. - Official methods of analysis of the Association of Official Analytical Chemists.

APPENDIX IV

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

Contract No. DAMD17-79-C-9120
IITRI Project No. L6116
Study No. 8

DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF TNT

FOUR WEEK CHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

FINAL REPORT

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TABLE OF CONTENTS

I. SUMMARY

This study was conducted to evaluate the toxicity of the munitions compound trinitrotolune (TNT; CAS Reg. No. 118-96-7) in B6C3F1 hybrid mice when administered in their diet for four weeks. Groups of 10 mice per sex received TNT at doses of 0, 0.3, 2, 14, 100 or 700 mg/kg/day. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, organ weights, and gross and tissue morphology.

Administration of 700 mg/kg/day of TNT to B6C3F1 hybrid mice for four weeks resulted in toxic effects of the liver, kidneys, testes, and bone marrow and/or its circulating cellular constituents. As minimal effects were seen at the 100 mg/kg/day dose level, the apparent no-effect level under the conditions of the present study is 14 mg/kg/day.

II. INTRODUCTION

The purpose of this study was to assess the toxicity of TNT in B6C3F1 hybrid mice when administered in the diet for at least four weeks. The data derived were also to be used to select dose levels for a chronic toxicity/carcinogenicity study of TNT. All methods and procedures were conducted in accordance with the IITRI Quality Assurance program designed to conform with FDA Good Laboratory Practice Regulations (21 CFR, Part 58).

III. MATERIALS AND METHODS

A. Test Article

Trinitrotoluene (TNT), Batch No. VOL. 11-011, grade one flake, 100 pounds, was made available for this study from stocks at the IITRI Kingsbury Ordnance Plant Explosive Facility, LaPorte, IN. The purity of neat TNT, 99.1 ± 0.4%, was determined by high performance liquid chromatography as described in Appendix I using analytical standards provided by the Sponsor. TNT was stored at the Kingsbury facility at ambient room temperature and relative humidity, and in the dark. Upon availability of the test article and at termination of the treatment phase of the study, 30 g samples were taken and stored under conditions identical to those for the batch.

TNT premixes, approximately 10% in Purina Certified Rodent Chow No. 5002 (5002), Ralston, Purina Co., St. Louis, MO., were prepared on a monthly basis at the Kingsbury facility by Chemistry personnel. Undiluted TNT was handled in accordance with procedures for explosive and fire hazards. The test article was ball milled with equal parts of 5002 and subsequently diluted with additional 5002 in a twin shell blender to yield 3 kg of an approximate 10% premix.

Toxicology personnel received TNT as an approximate 10% premix which posed little explosive or fire hazard. Previous studies have shown that the approximate 10% TNT premix in 5002 rat chow is stable for at least 7 weeks (1). Following the determination of TNT concentration in the premixes, sufficient quantities were subsequently diluted with 5002 in a twin shell blender to achieve the desired concentrations of the test article necessary to administer the required dose levels. The previous weeks body weight and most recent food consumption measurements for each test group by sex were used to calculate the desired dietary concentrations of the test article, and 2 kg of each test diet were prepared weekly.

B. Animals

Hybrid mice, B6C3F1 strain, were used for this study. Eighty-four mice of each sex were received from Charles River Breeding Laboratories Inc., Wilmington, MA on January 14, 1981. They were 3-4 weeks old upon arrival and random body weights recorded within three days were 17.6 ± 2.2 g (males) and 14.1 ± 1.5 g (females). The animals were housed in an air conditioned room (24-26°C) at ambient relative humidity, 40-60%, and on a 12 hour light/12 hour dark cycle. The room served as a quarantine and test room, and no other test animals were in the room. The mice were housed three per polycarbonate cage with Ab-sorb-dri bedding (Ab-sorb-dri, Inc., Rochelle Park, New Jersey) from arrival until test animal selection at the onset of Test Week -2. At that time, they were housed two per cage. The animals were randomly assigned permanent shelf location without sex differentiation. The cage size conformed to the upper weight range recommended in the Guide for the Care and Use of Laboratory Animals, DHEW, NIH No. 78.23. Animals were transferred to clean cages twice weekly. Each animal was identified during the quarantine period by a combination of cage number and ear punch. Animals placed on test received a study unique test animal number (N=120) which appeared as an ear punch/toe clip.

Upon arrival at the IITRI animal facility, the animals were held in quarantine for two weeks. During this period, they were observed for signs of disease, general unthriftiness, poor coat, dischages from body openings, abnormal feces, etc. Any animals found to be unhealthy were eliminated from the test animal selection process.

All animals received 5002 Rodent Chow from arrival until termination, except during a 2-6 hour fast prior to scheduled sacrifice. A sample 5002 lot was analyzed for nitrate and nitrite content and the results were as follows:

Lot No.	Nitrate (ppm)	Nitrites (ppm)
12-2-80-G	1.1	< 0.1

Tap water was available *ad libitum*. Analytical results obtained from a Chicago water sample are contained in Appendix X.

C. Experimental Design

Following the quarantine period, test-eligible animals were randomly assigned, within sex, by a restricted randomization procedure (stratified by weight; blocked design) into the following treatment groups using a table of random numbers.

Treatment Group Allocation

Treatment Group	Treatment	Dose Level (mg/kg/day)	Animals/ Sex	Test Animal No.(Males)	Test Animal No.(Females)
I	-	0.0	10	1 - 10	11 - 20
II	TNT	0.3	10	21 - 30	31 - 40
III	TNT	2.0	10	41 - 50	51 - 60
IV	TNT	14.0	10	61 - 70	71 - 80
V	TNT	100.0	10	81 - 90	91 - 100
VI	TNT	700.0	10	101 - 110	111 - 120

Test Day One of exposure to TNT was February 18, 1981. TNT was administered to test animals as an admixture in 5002. The appropriate test diets were available *ad libitum* except during a 2-6 hour fast prior to routine sacrifice in Test Week 5.

Test animals were observed once daily in the morning for pharmacologic and/or toxicologic signs commencing with Test Week -2 until termination. Afternoon mortality checks were inititated at the onset of Test Week 1. Physical examinations which included palpations for masses were conducted weekly from Test Week -1 until termination. Food consumption was measured for each animal on a weekly basis and body weights were determined twice weekly (A and B) commencing with Test Week -2 through Test Week 4.

Clinical chemistry and hematology tests were performed for all animals in Test Week 5. Blood samples were collected from the orbital sinus immediately prior to necropsy. The samples were collected and analyzed in a randomized order, and sufficient quantities were routinely obtained to measure the following parameters.

HEMATOLOGY

Hematocrit	Erythrocyte count
Hamoglobin	Leukocyte count, total and differential
Mean corpuscular volume (MCV)	Reticulocyte count
Mean corpuscular hemoglobin (MCH)	Methemmoglobin
Mean corpuscular hemoglobin concentration (MCHC)	RBCs with Heinz Bodies
Platelet count	RBCs with Howell-Jolly Bodies

CLINICAL CHEMISTRY

Bilirubin (total and direct)	Total protein
Glutamic-pyruvic transaminase (SGPT)	Albumin
Triglycerides	Globulin (total protein minus albumin)
Total Cholesterol	

Methods used to measure the above parameters are listed in Appendix V (Hematology) and Appendix VI (Clinical Chemistry).

All surviving test animals were routinely sacrificed and necropsied during Test Week 5. Three to four test animals/sex/treatment group, randomly selected, were sacrificed in random order each day during a three consecutive day period. Terminal body weights were recorded immediately prior to sacrifice following a 2-6 hour fast. Euthanasia was accomplished with carbon dioxide anesthesia followed by exsanguination. The necropsy procedure was a thorough and systematic examination and dissection of the animal viscera and carcass, and collection and fixation of the following tissues:

Adrenals	Eyes and optic nerves
Brain*	Gallbladder
Cecum	Gross lesions
Colon	Heart*
Costochondral junction, rib	Ileum
Duodenum	Jejunum
Epididymes	Kidneys*
Esophagus	Larynx
Liver*	Seminal vesicles
Lungs and mainstem bronchi	Sciatic nerve
Lymph nodes:	Skin, abdominal
Mandibular	Spinal cord
Mesenteric	Spleen*
Mammary gland	Sternum, including marrow
Muscle, skeletal	Stomach
Nasal turbinate	Testes*
Ovaries	Thymus
Pancreas	Thyroids (parathyroids)
Pituitary	Tissue masses
Prostate	Trachea

Rectum	Uterus
Salivary gland	Urinary bladder

Organs marked with an asterisk (*) were weighed at routine necropsy.

Bone marrow smears were prepared from the femur, air-dried and fixed in absolute methanol. All tissues, except eyes, testes, and bone marrow smears, were fixed at a thickness not exceeding 0.5 cm in 10% neutral buffered formalin which was changed 24 hours later. Eyes and testes were fixed in 3% aqueous glutaraldehyde and Bouins solution, respectively, for 24 hours. They were transferred to 50% ethanol for 24 hours, then placed in 70% ethanol. All tissues examined microscopically were cut at a thickness of 4-6 u and stained with hematoxylin and eosin.

Histopathologic examination was defined as microscopic examination of the following tissues and/or organs:

Brain (3 sections)	Spinal cord (3 levels)
Gross lesions	Spleen
Kidneys	Tissue masses
Liver	Testes

D. Statistical Analysis

The analyses of body weight and food consumption data considered the change relative to Test Week -1. Body weight, food consumption, clinical chemistry, hematology and absolute and relative organ weight data were analyzed by Analysis of Variance tests with Dunnett's t test used if necessary.

IV. RESULTS

A. Mortality/Clinical Observations

Neither death nor clinical signs of toxicity were observed in this study.

B. Body Weight

Reductions in body weight gains and/or losses in body weight were seen throughout the treatment peirod for male and female mice administered 700 mg/kg/day. At 100 mg/kg/day, occasional slight decreases in body weight gains for both sexes were seen. No effect of treatment was seen at lower doses (Tables IV.1-IV.4).

C. Food Consumption

Food intake was increased for males but not females at the 700 mg/kg/day dose level. Food consumption was not altered for the other treatment groups (Tables IV.5 and IV.6).

D. Hematology

A significant decrease in the WBC count was seen for male but not female mice at the 700 mg/kg/day dose level. The relative proportion of leucocyte cell types was unaltered. Females but not males at this high dose also demonstrated thrombocytosis. No other measured hematology parameter was altered by TNT treatment (Tables IV.7 and IV.8).

E. Clinical Chemistry

Dose-related hyperbilirubinemia was apparent for both sexes. Increases of approximately 25% and 50% were seen at the 100 and 700 mg/kg/day dose levels, respectively. No other measured clinical chemistry parameter was altered by the administration of TNT (Tables IV.9 and IV.10).

F. Organ Weights

Hepatomegaly may have occurred for TNT-treated males. Increases of approximately 7% were seen at the 100 (statistically significant) and 700 mg/kg/day dose levels. Other treatment-related changes were only apparent at the high dose and included reduced testes weights and elevated kidney weights for females (Tables IV.11-IV.14).

G. Pathology

The Pathology Report appears at the end of this Appendix. Treatment-related morphologic alterations were confined to the spleens of males and females receiving either 100 or 700 mg/kg/day. This organ appeared dark red for some of the animals at the former dose and most of the animals at the latter dose. Microscopically the lesion consisted of a diffuse increase in the relative amounts of yellow-brown pigment in the red pulp. The pigment was indistinguishable from hemosiderin and was present within the cytoplasm of macrophages. This increase of splenic pigment was clearly dose-related; it was of minimal severity in all affected TNT 100 mg/kg/day mice of both sexes and of mild severity in all TNT 700 mg/kg/day mice of both sexes. The distribution of normal pigment in the spleens of TNT 0 mg/kg/day mice was either focal and trace in amounts or entirely absent.

V. DISCUSSION

This study examined the oral toxicity of TNT following dietary administration to mice for four weeks. Doses of up to 700 mg/kg/day failed to result in death. The only clinical findings were reductions in body weight gain at 100 mg/kg/day and slight body weight loss at the 700 mg/kg/day dose level. The significance of increased food intake at this latter dose level is not clear.

Previous subchronic studies of TNT in rats and dogs in our laboratory have demonstrated treatment-related hemolytic anemia (1,2). Although alterations in red cell parameters were not detected in the present study, hemolysis was suggested by hyperbilirubinemia and splenic hemosiderosis.

Additional toxic effects of TNT seen primarily at the 700 mg/kg/day dose level included leukopenia without a differential shift, thrombocytosis, slight hepatomegaly, marginal decreased testes weights, and elevated renal weights. None of these organ weight changes was accompanied by treatment-related histologic alterations.

In summary, administration of 700 mg/kg/day of TNT to B6C3F1 hybrid mice for four weeks resulted in toxic effects of the liver, kidneys, testes, and bone marrow and/or its circulating cellular constituents. As minimal effects were seen at the 100 mg/kg/day dose level, the apparent no-effect level under the conditions of the present study is 14 mg/kg/day.

VI. RECOMMENDATIONS

In addition to evaluating the subchronic toxicity of TNT in B6C3F1 hybrid mice, this study was conducted to select dose levels for a chronic toxicity/carcinogenicity study. As described in the preceding Discussion Section, significant toxicity was apparent primarily for mice administered 700 mg/kg/day. Only marginal effects occurred at the 100 mg/kg/day dose level.

By the end of the study, a 20-30% reduction in body gain was apparent for animals of both sexes given 100 mg/kg/day. Lower doses did not appear to appreciably alter body weight growth curves. Slight toxicity as evidenced by hyperbilirubinemia, hepatomegaly and splenic hemosiderosis was apparent at the 100 mg/kg/day dose level but not at lower doses. Thus, the maximum tolerated dose (MTD), under the experimental conditions described herein, appears to be between 14 and 100 mg/kg/day.

On the basis of the above discussion, the following doses were recommended to achieve significant toxicologic effects at the high dose level, an apparent no observable effect level at the low dose, and marginal or no toxicity at the intermediate dose level.

Treatment Group	TNT (mg/kg/day)
I	0.0
II	1.5
III	10.0
IV	70.0

VII. ACKNOWLEDGMENT

This report was prepared at IIT Research Institute, 10 West 35th Street, Chicago, Illinois, 60616, under U.S. Department of Army Contract No. DAMD17-79-C-9120 (IITRI Project No. L06116) entitled "Determination of the Chronic Mammalian Toxicological Effects of TNT". Mr. Jesse J. Barkley, Jr., Environmental Protection Research Division, USAMBRDL, served as the Contract Officer's Technical Representative for this program.

The work reported herein was conducted in the Toxicology and Pharmacology Section of the Life Sciences Department, and represents a portion of the overall effort of the above named research program. Paul M. Lish, Ph.D., Scientific Advisor, served as Principal Investigator. Barry S. Levine, D.Sc., Senior Toxicologist, served as study director and was responsible for the overall conduct of the study. Eva M. Fured'-Machacek, D.V.M., served as study toxicologist and was also responsible for supervision of the technical support personnel. John M. Burns, D.V.M., Senior Veterinary Pathologist, was responsible for supervision of gross necropsies. Donovan E. Gordon, DVM, Ph.D., Consultant, Veterinary Pathology, was responsible for histopathologic evaluation. Don Reitman was responsible for generation of clinical pathology data. Bobby R. Collins, D.V.M., M.S., served as clinical veterinarian and supervised animal care personnel. Joann M. Hinz, B.S., and Robert M. Renaud, B.S., were responsible for the collection of test data. Dorothy Davis (ASCP-HT) was responsible for preparation of histology slides. Josephine M. Reed, M.M., M.S., Quality Assurance, was responsible for the quality assurance program. Robert Remaly, B.S., Senior Engineer, was responsible for preparation of the test article premixes. Hugh J. O'Neill, Ph.D., Manager, Analytical Chemistry, and Walter C. Eisenberg, Ph.D., Senior Chemist, were responsible for chemical analyses of test article, test article premixes and test diets. Robert D. Gibbons, Ph.D., Consultant, Biostatistics, provided statistical and computational assistance.

VIII. REFERENCES

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Table IV.1

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

BODY WEIGHT MEASUREMENTS OF MALE MICE
MEAN AND S.D. (G)
TREATMENT GROUP (MG/KG/DAY)

WEEK	CONTROL	0.3	2.0	14	100	700
-2 A	23.65 ± 2.98	23.36 ± 2.82	24.61 ± 1.53	24.08 ± 1.84	23.90 ± 1.29	24.00 ± 1.24
-2 B	23.94 ± 2.87	23.70 ± 2.74	24.64 ± 1.29	24.36 ± 1.90	24.21 ± 1.50	24.27 ± 1.28
-1 A	25.07 ± 3.05	24.34 ± 2.64	24.95 ± 1.82	24.92 ± 1.78	24.65 ± 1.27	24.97 ± 1.08
-1 B	25.38 ± 3.22	24.52 ± 2.30	25.08 ± 1.73	25.27 ± 1.85	24.66 ± 1.14	25.18 ± 0.80
1 A	25.94 ± 3.42	25.40 ± 2.34	25.50 ± 1.80	26.30 ± 1.70	24.88 ± 0.99	23.02 ± 0.72*
1 B	26.43 ± 3.13	26.03 ± 2.31	25.93 ± 1.87	26.55 ± 1.89	25.66 ± 1.18	21.03 ± 0.81*
2 A	26.89 ± 3.36	27.11 ± 2.00	26.60 ± 2.17	27.26 ± 2.01	25.81 ± 1.30	21.47 ± 1.45*
2 B	27.42 ± 3.54	27.94 ± 2.12	26.68 ± 2.08	27.48 ± 2.07	25.90 ± 1.28	23.03 ± 1.43*
3 A	28.09 ± 3.58	28.10 ± 2.13	27.39 ± 2.02	28.52 ± 2.24	26.89 ± 1.49	25.13 ± 0.97*
3 B	28.52 ± 3.63	28.01 ± 2.25	27.31 ± 2.04	28.36 ± 2.25	26.40 ± 1.16	24.39 ± 0.95*
4 A	28.84 ± 3.42	28.63 ± 2.50	28.20 ± 2.40	29.12 ± 2.27	27.15 ± 1.36	26.17 ± 1.00*
4 B	29.11 ± 3.66	28.94 ± 2.34	28.29 ± 2.03	29.26 ± 2.18	27.42 ± 1.31	25.67 ± 0.84*

Table IV.2

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

BODY WEIGHT MEASUREMENTS OF FEMALE MICE
MEAN AND S.D. (G)
TREATMENT GROUP (MG/KG/DAY)

WEEK	CONTROL	0.3	2.0	14	100	700
-2 A	18.89 ± 0.91	18.88 ± 0.79	18.77 ± 0.56	18.32 ± 1.00	18.78 ± 1.03	18.53 ± 0.69
-2 B	19.20 ± 1.11	19.59 ± 0.85	19.09 ± 0.54	18.89 ± 1.32	18.80 ± 1.24	18.54 ± 0.77
-1 A	19.79 ± 1.01	19.99 ± 0.68	19.79 ± 0.64	19.21 ± 1.83	19.85 ± 1.25	19.52 ± 1.03
-1 B	20.23 ± 0.96	20.14 ± 0.68	20.19 ± 0.61	19.97 ± 1.13	19.93 ± 1.13	19.91 ± 0.58
1 A	20.67 ± 1.11	20.71 ± 0.81	20.63 ± 0.68	20.13 ± 1.01	20.33 ± 0.97	18.46 ± 0.60*
1 B	20.98 ± 0.89	21.35 ± 0.82	20.95 ± 0.52	20.52 ± 0.88	20.95 ± 1.00	17.26 ± 0.60*
2 A	21.41 ± 0.92	21.39 ± 1.08	21.14 ± 0.62	20.86 ± 1.04	20.74 ± 0.83	18.81 ± 0.82*
2 B	21.53 ± 1.10	21.76 ± 1.07	21.36 ± 0.80	21.27 ± 1.14	21.14 ± 1.03	19.01 ± 0.51*
3 A	21.76 ± 1.10	22.11 ± 0.78	21.92 ± 0.74	21.74 ± 1.21	21.76 ± 0.99	20.84 ± 0.94
3 B	22.36 ± 1.61	22.36 ± 0.97	21.89 ± 0.66	21.62 ± 1.17	21.65 ± 1.24	19.37 ± 0.56*
4 A	22.80 ± 1.60	22.73 ± 1.06	22.61 ± 1.09	21.95 ± 1.34	21.98 ± 1.39	20.84 ± 0.78*
4 B	22.90 ± 1.35	22.66 ± 0.98	22.55 ± 0.80	21.94 ± 1.11	21.78 ± 1.23	19.96 ± 0.61*

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Table IV.3

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

BODY WEIGHT MEASUREMENTS OF MALE MICE
MEAN AND S.D. (G)
TREATMENT GROUP (MG/KG/DAY)
CHANGE FROM WEEK -1 B

WEEK	CONTROL	0.3	2.0	14	100	700
1 A	0.56 ± 0.46	0.88 ± 0.37	0.42 ± 0.52	1.03 ± 0.33	0.22 ± 0.30	-2.16 ± 0.48*
1 B	1.05 ± 0.71	1.51 ± 0.40	0.85 ± 0.72	1.28 ± 0.85	1.00 ± 0.36	-4.15 ± 0.71*
2 A	1.51 ± 0.58	2.59 ± 0.45*	1.52 ± 0.87	1.99 ± 0.49	1.15 ± 0.69	-3.71 ± 1.47*
2 B	2.04 ± 0.72	3.42 ± 0.93*	1.60 ± 0.90	2.21 ± 0.73	1.24 ± 0.57	-2.15 ± 1.47*
3 A	2.71 ± 0.71	3.58 ± 0.77	2.31 ± 0.71	3.25 ± 0.90	2.23 ± 0.78	- 0.05 ± 0.91*
3 B	3.14 ± 1.07	3.49 ± 0.73	2.23 ± 0.85	3.09 ± 0.93	1.74 ± 0.80*	- 0.79 ± 0.72*
4 A	3.46 ± 1.06	4.11 ± 1.45	3.12 ± 0.91	3.85 ± 1.32	2.49 ± 0.83	0.99 ± 0.67*
4 B	3.73 ± 1.34	4.42 ± 1.26	3.21 ± 0.83	3.99 ± 1.16	2.76 ± 0.95	0.49 ± 0.63*

Table IV.4

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

BODY WEIGHT MEASUREMENTS OF FEMALE MICE
MEAN AND S.D. (G)
TREATMENT GROUP (MG/KG/DAY)
CHANGE FROM WEEK -1 B

WEEK	CONTROL	0.3	2.0	14	100	700
1 A	0.44 ± 0.30	0.57 ± 0.35	0.44 ± 0.65	0.16 ± 0.48	0.40 ± 0.24	-1.45 ± 0.44*
1 B	0.75 ± 0.43	1.21 ± 0.69	0.76 ± 0.60	0.55 ± 0.40	1.02 ± 0.67	-2.65 ± 0.78*
2 A	1.18 ± 0.57	1.25 ± 0.77	0.95 ± 0.72	0.89 ± 0.56	0.81 ± 0.66	-1.10 ± 0.78*
2 B	1.30 ± 0.71	1.62 ± 1.02	1.17 ± 0.93	1.30 ± 0.74	1.21 ± 0.67	- 0.90 ± 0.44*
3 A	1.53 ± 0.59	1.97 ± 0.78	1.73 ± 0.90	1.77 ± 0.53	1.83 ± 0.59	0.93 ± 0.93
3 B	2.13 ± 0.85	2.22 ± 0.57	1.70 ± 0.67	1.65 ± 0.64	1.72 ± 0.66	- 0.54 ± 0.60*
4 A	2.57 ± 0.82	2.59 ± 0.66	2.42 ± 1.02	1.98 ± 0.56	2.05 ± 0.86	0.93 ± 0.65*
4 B	2.67 ± 0.61	2.52 ± 0.99	2.36 ± 0.58	1.97 ± 0.59	1.85 ± 0.58*	0.05 ± 0.63*

Table IV.5

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

FOOD CONSUMPTION MEASUREMENTS OF MALE MICE
MEAN AND S.D. (G)
TREATMENT GROUP (MG/KG/DAY)

WEEK	CONTROL	0.3	2.0	14	100	700
-2	4.04 ± 0.51	5.02 ± 1.95	4.36 ± 0.89	4.04 ± 0.18	4.46 ± 0.88	4.18 ± 0:46
-1	3.66 ± 0.46	3.94 ± 0.59	4.20 ± 1.07	3.86 ± 0.20	3.66 ± 0.35	3.74 ± 0.30
1	4.24 ± 0.69	4.78 ± 1.39	4.42 ± 0.71	4.56 ± 0.88	3.96 ± 0.80	4.38 ± 0.57
2	4.38 ± 0.79	4.68 ± 1.23	5.74 ± 2.84	5.60 ± 2.55	5.36 ± 1.68	9.12 ± 0.96*
3	4.88 ± 1.08	5.36 ± 1.87	5.72 ± 2.72	4.80 ± 0.81	6.12 ± 2.06	8.86 ± 0.67*
4	4.46 ± 0.80	4.46 ± 0.13	5.06 ± 1.88	4.58 ± 0.71	4.84 ± 0.87	6.94 ± 0.76*

Table IV.6

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

FOOD CONSUMPTION MEASUREMENTS OF FEMALE MICE
MEAN AND S.D. (G)
TREATMENT GROUP (MG/KG/DAY)

WEEK	CONTROL	0.3	2.0	14	100	700
-2	4.30 ± 0.79	4.84 ± 1.77	5.32 ± 1.53	4.90 ± 1.88	4.52 ± 1.55	4.50 ± 1.81
-1	3.88 ± 0.62	3.90 ± 0.98	3.90 ± 0.66	3.96 ± 0.64	4.12 ± 0.95	3.60 ± 0.33
1	4.96 ± 1.67	3.92 ± 0.46	4.06 ± 0.53	4.70 ± 1.65	3.50 ± 0.27*	3.92 ± 0.87
2	5.26 ± 2.21	4.06 ± 0.61	5.48 ± 2.06	5.18 ± 2.15	4.06 ± 0.48	6.20 ± 0.51
3	5.04 ± 1.92	4.02 ± 0.51	4.76 ± 0.93	3.86 ± 0.45*	3.94 ± 0.51*	4.96 ± 0.32
4	4.90 ± 2.31	4.40 ± 0.98	4.40 ± 1.00	4.10 ± 0.93	3.68 ± 0.24	4.22 ± 0.34

Table IV.7

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

HEMATOLOGY MEASUREMENTS OF MALE MICE
MEAN AND S.D.

TREATMENT GROUP (MG/KG/DAY)

HEMATOLOGY VALUE	CONTROL	0.3	2.0	14	100	700
WBC (10**3/CU MM)	7.17 ± 1.84	7.63 ± 1.29	6.43 ± 1.63	8.37 ± 1.36	6.46 ± 2.26	5.15 ± 0.91*
RBC (10**6/CU MM)	9.62 ± 1.36	10.12 ± 0.70	10.15 ± 0.82	9.57 ± 0.68	9.31 ± 1.62	9.63 ± 0.98
HEMOGLOBIN (G/DL)	17.90 ± 1.57	18.68 ± 0.90	18.85 ± 1.16	17.29 ± 1.72	17.59 ± 1.66	17.98 ± 1.09
HEMATOCRIT (%)	46.00 ± 4.90	48.02 ± 3.17	47.19 ± 4.72	44.87 ± 3.57	45.69 ± 5.91	46.31 ± 4.45
MCV (M M**3)	48.67 ± 3.32	47.90 ± 0.74	47.00 ± 0.82	47.60 ± 1.17	47.90 ± 1.20	48.78 ± 0.83
MCH (MMG)	19.14 ± 1.46	18.70 ± 1.18	18.60 ± 0.79	18.41 ± 1.17	18.72 ± 1.43	19.07 ± 1.10
MCHC (G/DL)	39.76 ± 2.38	39.62 ± 2.62	39.75 ± 2.27	39.24 ± 3.30	39.40 ± 2.93	39.61 ± 2.27
RETICULOCYTES (%RBC)	3.73 ± 3.97	2.47 ± 1.10	2.27 ± 0.79	1.88 ± 0.52	2.81 ± 0.79	2.13 ± 0.68
HOWELL-JOLLY BODIES (%RBC)	0.060 ± 0.126	0.030 ± 0.067	0.020 ± 0.042	0.060 ± 0.070	0.050 ± 0.097	0.020 ± 0.042
HEINZ BODIES (%RBC)	0.160 ± 0.217	0.222 ± 0.282	0.010 ± 0.032	0.210 ± 0.325	0.250 ± 0.201	0.180 ± 0.204
PLATELETS (10**3/CU MM)	1316.0 ± 320.8	1441.3 ± 334.0	1459.0 ± 256.4	1261.8 ± 262.1	1363.6 ± 292.4	1254.3 ± 314.4
IMMATURE NEUTROPHILS (%WBC)	0.400 ± 0.699	0.600 ± 1.075	0.200 ± 0.632	0.900 ± 0.994	0.100 ± 0.316	0.300 ± 0.483
MATURE NEUTROPHILS (%WBC)	16.20 ± 12.41	14.80 ± 8.52	12.50 ± 7.66	18.00 ± 8.72	11.20 ± 4.57	13.70 ± 6.38
LYMPHOCYTES (%WBC)	81.80 ± 12.77	83.80 ± 9.98	86.10 ± 8.80	79.70 ± 9.83	87.80 ± 5.27	85.20 ± 6.48
MONOCYTES (%WBC)	1.100 ± 1.101	0.800 ± 0.919	0.700 ± 0.949	1.300 ± 1.636	0.800 ± 1.033	0.500 ± 0.527
EOSINOPHILS (%WBC)	0.500 ± 0.707	0.000 ± 0.000	0.500 ± 0.707	0.100 ± 0.316	0.100 ± 0.316	0.300 ± 0.675
BASOPHILS (%WBC)	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000

L6116-8

Table IV.8

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

HEMATOLOGY MEASUREMENTS OF FEMALE MICE
MEAN AND S.D.

TREATMENT GROUP (MG/KG/DAY)

HEMATOLOGY VALUE	CONTROL	0.3	2.0	14	100	700
WBC (10**3/CU MM)	6.30 ± 1.60	5.17 ± 1.69	5.11 ± 1.42	6.42 ± 2.97	6.39 ± 3.25	5.82 ± 1.84
RBC (10**6/CU MM)	9.98 ± 0.67	9.90 ± 0.80	9.66 ± 1.02	9.95 ± 1.14	10.78 ± 2.96	9.58 ± 0.76
HEMOGLOBIN (G/DL)	18.53 ± 0.88	18.09 ± 0.82	17.97 ± 1.60	18.67 ± 1.93	18.16 ± 0.75	17.89 ± 0.79
HEMATOCRIT (%)	47.21 ± 2.78	46.64 ± 3.49	45.35 ± 5.10	46.89 ± 5.19	46.56 ± 2.96	45.59 ± 3.65
MCV (M M**3)	47.20 ± 1.03	47.20 ± 0.63	47.30 ± 0.67	47.70 ± 0.82	47.89 ± 0.60	48.00 ± 1.15
MCH (MMG)	18.67 ± 0.63	18.51 ± 1.19	18.95 ± 1.22	18.66 ± 1.36	18.81 ± 0.86	19.13 ± 1.41
MCHC (G/DL)	40.14 ± 1.70	39.57 ± 2.99	40.54 ± 2.86	39.54 ± 3.35	39.67 ± 1.89	40.13 ± 2.81
RETICULOCYTES (%RBC)	2.35 ± 0.69	2.03 ± 0.90	1.86 ± 0.76	2.20 ± 0.97	2.56 ± 0.77	1.79 ± 0.62
HOWELL-JOLLY BODIES (%RBC)	0.010 ± 0.032	0.000 ± 0.000	0.030 ± 0.048	0.000 ± 0.000	0.056 ± 0.133	0.000 ± 0.000
HEINZ BODIES (%RBC)	0.180 ± 0.316	0.220 ± 0.416	0.050 ± 0.097	0.020 ± 0.042	0.233 ± 0.292	0.260 ± 0.327
PLATELETS (10**3/CU MM)	1098.8 ± 193.5	1169.0 ± 284.4	1289.0 ± 538.0	1112.9 ± 370.0	1276.0 ± 235.8	1512.8 ± 360.6*
IMMATURE NEUTROPHILS (%WBC)	0.000 ± 0.000	0.300 ± 0.675	0.300 ± 0.483	0.100 ± 0.316	0.333 ± 0.707	0.500 ± 0.850
MATURE NEUTROPHILS (%WBC)	11.30 ± 5.44	10.30 ± 4.99	10.70 ± 5.40	9.60 ± 2.27	10.22 ± 4.41	13.50 ± 8.15
LYMPHOCYTES (%WBC)	87.50 ± 5.23	87.50 ± 5.19	87.50 ± 5.68	89.40 ± 2.91	88.67 ± 5.00	85.50 ± 8.55
MONOCYTES (%WBC)	1.000 ± 1.054	1.600 ± 0.843	1.200 ± 1.135	0.800 ± 1.033	0.778 ± 0.833	0.500 ± 0.707
EOSINOPHILS (%WBC)	0.200 ± 0.632	0.300 ± 0.483	0.300 ± 0.483	0.100 ± 0.316	0.000 ± 0.000	0.000 ± 0.000
BASOPHILS (%WBC)	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000

L6116-8

Table IV.9

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

CLINICAL CHEMISTRY MEASUREMENTS OF MALE MICE
MEAN AND S.D.

TREATMENT GROUP (MG/KG/DAY)

CHEMISTRY VALUE	CONTROL	0.3	2.0	14	100	700
SGPT (IU/L)	14.22 ± 9.61	16.40 ± 6.92	14.80 ± 17.92	18.20 ± 13.21	15.56 ± 7.60	16.00 ± 7.06
TRIGLYCERIDES (MG/DL)	199.2 ± 64.1	130.4 ± 73.9	102.0 ± 77.1*	192.3 ± 56.8	133.6 ± 76.9	125.5 ± 80.7
TOTAL PROTEIN (G/DL)	7.20 ± 1.51	6.58 ± 1.08	7.26 ± 0.96	7.01 ± 1.73	6.68 ± 1.21	7.15 ± 1.10
ALBUMIN (G/DL)	7.28 ± 10.42	3.49 ± 0.32	4.27 ± 0.89	3.66 ± 0.58	6.72 ± 9.94	3.97 ± 0.82
TOTAL CHOLESTEROL (MG/DL)	141.6 ± 42.3	133.3 ± 51.2	157.5 ± 35.5	152.4 ± 39.9	160.7 ± 53.5	132.6 ± 54.9
DIRECT BILIRUBIN (MG/DL)	0.02 ± 0.04	0.01 ± 0.03	0.04 ± 0.07	0.03 ± 0.05	0.04 ± 0.05	0.04 ± 0.07
GLOBULIN (G/DL)	3.55 ± 1.05	3.09 ± 0.87	3.44 ± 0.62	3.46 ± 1.30	3.11 ± 1.19	3.18 ± 0.75
TOTAL BILIRUBIN (MG/DL)	0.28 ± 0.07	0.26 ± 0.03	0.32 ± 0.11	0.29 ± 0.09	0.35 ± 0.10	0.42 ± 0.22*

L6116-8

Table IV.10

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

CLINICAL CHEMISTRY MEASUREMENTS OF FEMALE MICE
MEAN AND S.D.

TREATMENT GROUP (MG/KG/DAY)

CHEMISTRY VALUE	CONTROL	0.3	2.0	14	100	700
SGPT (IU/L)	11.56 ± 6.98	14.00 ± 3.46	11.25 ± 5.65	12.67 ± 5.57	13.56 ± 5.08	9.11 ± 7.22
TRIGLYCERIDES (MG/DL)	92.6 ± 54.6	92.8 ± 33.8	150.4 ± 90.1	111.5 ± 71.5	110.8 ± 42.3	104.5 ± 72.0
TOTAL PROTEIN (G/DL)	7.00 ± 1.65	6.84 ± 0.88	6.89 ± 1.01	5.95 ± 1.12	6.86 ± 0.79	6.68 ± 0.62
ALBUMIN (G/DL)	4.41 ± 0.91	3.96 ± 0.44	4.35 ± 1.08	4.39 ± 1.31	4.21 ± 0.46	4.45 ± 0.95
TOTAL CHOLESTEROL (MG/DL)	109.9 ± 45.1	143.7 ± 31.2	135.2 ± 44.5	123.9 ± 45.1	157.1 ± 34.6	133.4 ± 57.9
DIRECT BILIRUBIN (MG/DL)	0.02 ± 0.04	0.01 ± 0.03	0.01 ± 0.03	0.02 ± 0.04	0.03 ± 0.05	0.02 ± 0.04
GLOBULIN (G/DL)	2.85 ± 1.40	2.89 ± 0.75	2.80 ± 0.60	2.16 ± 0.96	2.74 ± 0.44	2.67 ± 0.32
TOTAL BILIRUBIN (MG/DL)	0.28 ± 0.06	0.26 ± 0.06	0.28 ± 0.06	0.31 ± 0.11	0.35 ± 0.07	0.43 ± 0.13*

L6116-8

Table IV.11

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

ORGAN WEIGHT MEASUREMENTS OF FEMALE MICE
MEAN AND S.D. (% TERMINAL BODY WEIGHT)
TREATMENT GROUP (MG/KG/DAY)

ORGAN	CONTROL	0.3	2.0	14	100	700
BRAIN	2.174 ± 0.150	2.073 ± 0.208	2.128 ± 0.103	2.262 ± 0.192	2.207 ± 0.161	2.475 ± 0.152*
KIDNEYS	1.486 ± 0.097	1.443 ± 0.064	1.478 ± 0.105	1.502 ± 0.118	1.545 ± 0.066	1.611 ± 0.104*
LIVER	5.465 ± 0.506	5.257 ± 0.280	5.290 ± 0.172	5.578 ± 0.308	5.843 ± 0.317*	5.801 ± 0.262
SPLEEN	0.387 ± 0.087	0.351 ± 0.017	0.409 ± 0.165	0.375 ± 0.020	0.452 ± 0.045	0.391 ± 0.045
TESTES	---- ± ----	---- ± ----	---- ± ----	---- ± ----	---- ± ----	--- ± ----

L6116-8

Table IV.12

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

ORGAN WEIGHT MEASUREMENTS OF MALE MICE
MEAN AND S.D. (% TERMINAL BODY WEIGHT)
TREATMENT GROUP (MG/KG/DAY)

ORGAN	CONTROL	0.3	2.0	14	100	700
BRAIN	1.587 ± 0.119	1.674 ± 0.172	1.696 ± 0.146	1.598 ± 0.091	1.784 ± 0.133*	1.860 ± 0.179*
KIDNEYS	1.808 ± 0.152	1.837 ± 0.164	1.877 ± 0.193	1.820 ± 0.117	1.834 ± 0.095	1.763 ± 0.128
LIVER	5.220 ± 0.646	5.387 ± 0.438	5.328 ± 0.361	5.589 ± 0.294	5.314 ± 0.389	5.423 ± 0.333
SPLEEN	0.377 ± 0.269	0.369 ± 0.173	0.268 ± 0.037	0.325 ± 0.083	0.319 ± 0.065	0.274 ± 0.031
TESTES	0.812 ± 0.075	0.817 ± 0.067	0.861 ± 0.058	0.797 ± 0.056	0.903 ± 0.081*	0.837 ± 0.062

L6116-8

Table IV.13

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

ORGAN WEIGHT MEASUREMENTS OF MALE MICE
MEAN AND S.D. (G)

TREATMENT GROUP (MG/KG/DAY)

ORGAN	CONTROL	0.3	2.0	14	100	700
TERMINAL BODY WEIGHT	27.880 ± 3.119	27.740 ± 2.481	27.180 ± 1.789	28.640 ± 1.727	26.590 ± 1.213	23.960 ± 0.942*
BRAIN	0.441 ± 0.041	0.461 ± 0.031	0.459 ± 0.024	0.457 ± 0.030	0.473 ± 0.026	0.445 ± 0.046
KIDNEYS	0.505 ± 0.080	0.511 ± 0.076	0.511 ± 0.072	0.522 ± 0.057	0.488 ± 0.035	0.423 ± 0.042*
LIVER	1.466 ± 0.320	1.496 ± 0.200	1.450 ± 0.160	1.602 ± 0.149	1.415 ± 0.142	1.301 ± 0.113
SPLEEN	0.106 ± 0.076	0.102 ± 0.051	0.073 ± 0.014	0.093 ± 0.026	0.085 ± 0.019	0.066 ± 0.009
TESTES	0.225 ± 0.016	0.226 ± 0.023	0.233 ± 0.015	0.228 ± 0.019	0.240 ± 0.024	0.200 ± 0.013*

16116-8

Table IV.14

FOUR WEEK SUBCHRONIC (EXPLORATORY/RANGE-FINDING) ORAL (DIET) TOXICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

ORGAN WEIGHT MEASUREMENTS OF FEMALE MICE
MEAN AND S.D. (G)

TREATMENT GROUP (MG/KG/DAY)

ORGAN	CONTROL	0.3	2.0	14	100	700
TERMINAL BODY WEIGHT	21.920 ± 1.100	22.150 ± 1.528	21.830 ± 0.918	21.470 ± 1.223	21.100 ± 1.374	18.770 ± 0.506*
BRAIN	0.475 ± 0.017	0.458 ± 0.039	0.464 ± 0.014	0.485 ± 0.041	0.464 ± 0.028	0.465 ± 0.031
KIDNEYS	0.326 ± 0.026	0.319 ± 0.018	0.323 ± 0.020	0.323 ± 0.037	0.326 ± 0.026	0.302 ± 0.021
LIVER	1.198 ± 0.122	1.163 ± 0.081	1.156 ± 0.081	1.197 ± 0.093	1.234 ± 0.126	1.089 ± 0.060
SPLEEN	0.084 ± 0.018	0.078 ± 0.006	0.090 ± 0.039	0.081 ± 0.007	0.095 ± 0.008	0.073 ± 0.009
TESTES	---- ± --	---- ± ----	---- ± ----	---- ± ----	---- ± ----	---- ± ----

L6116 8

Four Week Subchronic Oral Toxicity Study Of
Trinitrotoluene (TNT) In The B6C3F1 Hybrid Mouse

Histopathology Report
May 31, 1981

IITRI Project No. L6116
Study Number 8

Donovan E. Gordon
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IITRI Project No. L6116, Study No. 8
Sponsor Project No. DAMD17-79-C-9120

Report of Histopathologic Findings

In accordance with the experimental protocol, a histopathologic examination by light microscopy was conducted on hematoxylin-eosin (H&E) stained tissue sections from 120 (60 male and 60 female; 10 each sex per group) B6C3F1 hybrid mice for IITRI Project Number L6116, Study Number 8. Each group was fed either Trinitrotoluene (TNT) as a dietary admixture or a control diet for four continuous weeks, and then subjected to an extensive necropsy examination upon sacrifice at the termination of the study. There were no moribund sacrifices or spontaneous deaths in the study. The necropsy of animals, collection and fixation of tissues, and preparation of stained tissue sections were conducted by IIT Research Institute.

The experimental design of the study, as it relates to the histopathologic evaluation, is outlined below:

Treatment Group	Treatment	Number of Males	Number of Females	Dose Level mg/kg/day
I	---	10	10	0.0
II	TNT	10	10	0.3
III	TNT	10	10	2.0
IV	TNT	10	10	14.0
V	TNT	10	10	100.0
VI	TNT	10	10	700.0

The tissues examined from all animals were:

Brain (3 levels)	Spleen
Kidneys	Testes
Liver	Tissue Masses and Gross Lesions
Spinal Cord (3 levels)	

At the time of the tissue examination, a copy of the 'Organ Check Lists' on which necropsy observations and organ weights were recorded for each animal was available to the histopathologist. A 'Pathology Report' form, accounting for all tissues examined and the microscopic morphologic observations, was prepared for each animal and signed by the histopathologist. These forms have been submitted to the IITRI archives and contain the data on which this report is based.

The 'Pathology Report' forms and appendices which accompany this report constitute an accountability of tissues examined in accordance with the experimental protocol. The grading system and abbreviations used in the tables are as follows:

Grade 1 = minimal severity	N = within normal limits
Grade 2 = mild severity	L = lesion present
Grade 3 = moderate severity	M = tissue not present
Grade 4 = marked severity	I = tissue section inadequate
P = present, no grade	

The incidences of microscopic lesions are summarized by group and sex in Pathology Appendix A. 'Histopathology Incidences Tables' of all findings are presented by group and sex in Pathology Appendix B.

Treatment-related morphologic alterations were confined to the spleens of TNT 100 mg/kg/day (8/10 males, 10/10 females) and TNT 700 mg/kg/day (10/10 males, 10/10 females) mice and consisted of a diffuse increase in the relative amounts of yellow-brown pigment in the red pulp. The pigment was indistinguishable from hemosiderin and was present within the cytoplasm of macrophages. This increase of splenic pigment was clearly dose-related; it was of minimal severity in all affected TNT 100 mg/kg/day mice of both sexes, and of mild severity in all TNT 700 mg/kg/day mice of both sexes. The distribution of normal pigment in the spleens of TNT 0 mg/kg/day mice was either focal and trace in amounts, or entirely absent.

With respect to the testes, a previously established target organ with TNT in this species, no treatment related lesions were evident in this study. However, there were solitary, subcapsular foci of seminiferous tubule degeneration among both control and test groups with a comparable incidence and severity. The lesion involved one or both gonads and was restricted to only a few (2-5) tubules adjacent to the rete testis and/or proximal segment of the ducti efferentes. Histologically, affected tubules revealed an absence of spermatogenesis, loss of the germinal epithelium with residual sertoli cells and atrophy. The lesions were always immediately beneath the capsule and were classified as naturally occurring. In contrast, TNT induced testicular lesions usually occur throughout the parenchyma, are more numerous and usually reveal more stages of germinal cell degeneration.

The remainder of the lesions observed and tabulated among the control and test mice were regarded as incidental findings ascribed to naturally occurring diseases or the method of sacrifice. These lesions were present, in most instances, in both control and treated animals with a comparable incidence and severity. No neoplastic lesions were observed among either control or test animals.

Summary and Conclusions

A treatment-related lesion was present in the spleens of TNT 100 mg/kg/day and 700 mg/kg/day mice. Based on this histopathological evaluation of selected tissues, the maximum no-effect level of TNT appears to be 14 mg/kg/day.

PATHOLOGY APPENDIX A

COMPARISON TABLE

L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

ORGAN Lesion / Group	MALES I 0 mg/kg/day	MALES II 0.3 mg/kg/day	MALES III 2.0 mg/kg/day	MALES IV 14.0 mg/kg/day	MALES V 100 mg/kg/day	MALES VI 700 mg/kg/day	FEMALES I 0 mg/kg/day	FEMALES II 0.3 mg/kg/day	FEMALES III 2.0 mg/kg/day	FEMALES IV 14.0 mg/kg/day	FEMALES V 100 mg/kg/day	FEMALES VI 700 mg/kg/day
BRAIN												
Perivascular edema	3/10	2/10	4/10	1/10	0/10	3/10	2/10	4/10	3/10	0/10	0/10	2/10
CERVICAL SPINAL CORD												
Perivascular edema	1/10	0/10	0/9	0/10	0/10	0/10	1/10	0/10	0/10	0/10	0/10	0/10
THORACIC SPINAL CORD												
Perivascular edema	1/10	0/10	0/10	0/9	0/10	0/10	1/10	0/10	0/10	0/10	0/10	0/10
LUMBAR SPINAL CORD												
Perivascular edema	1/9	0/9	0/8	0/8	0/10	0/9	1/7	0/9	0/9	0/9	0/9	0/9
KIDNEY												
Mononuclear cell infiltrates, focal, unilateral	0/10	2/10	0/10	0/10	2/10	1/10	1/10	0/10	1/10	0/10	0/10	0/10
Mononuclear cell infiltrates, focal, bilateral	2/10	1/10	0/10	1/10	0/10	0/10	0/10	0/10	0/10	0/10	1/10	0/10
Tubular cell vacuolation, bilateral	5/10	3/10	4/10	2/10	1/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10
Tubular regeneration, unilateral	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	1/10	0/10	0/10

COMPARISON TABLE

L6116 SNB
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

ORGAN Lesion / Group	MALES I 0 mg/kg/day	MALES II 0.3 mg/kg/day	MALES III 2.0 mg/kg/day	MALES IV 14.0 mg/kg/day	MALES V 100 mg/kg/day	MALES VI 700 mg/kg/day	FEMALES I 0 mg/kg/day	FEMALES II 0.3 mg/kg/day	FEMALES III 2.0 mg/kg/day	FEMALES IV 14.0 mg/kg/day	FEMALES V 100 mg/kg/day	FEMALES VI 700 mg/kg/day
KIDNEY (con't)												
Tubular regeneration, bilateral	0/10	0/10	0/10	0/10	0/10	1/10	0/10	0/10	0/10	0/10	0/10	0/10
Nephritis, focal, bilateral	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	1/10	0/10
LIVER												
Mononuclear cell infiltrates, portal,												
focal	0/10	0/10	0/10	0/10	1/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10
Mononuclear cell infiltrates,												
sinusoidal, focal	0/10	0/10	0/10	0/10	0/10	0/10	2/10	1/10	1/10	0/10	1/10	0/10
Necrotic hepatitis, focal	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	0/10	2/10	3/10	2/10
SPLEEN												
Increased extramedullary hematopoiesis	1/10	1/10	0/10	0/10	0/10	0/10	0/10	0/10	1/10	0/10	1/10	0/10
Increased pigment	0/10	0/10	0/10	0/10	8/10	10/10	0/10	0/10	0/10	0/10	10/10	10/10
TESTIS												
Germinal cell degeneration, focus,												
subcapsular, unilateral	4/10	4/10	4/10	2/10	5/10	6/10	--	--	--	--	--	--
Germinal cell degeneration, focus,												
subcapsular, bilateral	0/10	1/10	1/10	1/10	1/10	0/10	--	--	--	--	--	--

PATHOLOGY APPENDIX B

Group I
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

	MALES											FEMALES										
ORGAN Lesion / Accession Number	81-0327	81-0328	81-0329	81-0330	81-0331	81-0332	81-0333	81-0334	81-0335	81-0336	Incidence	81-0337	81-0338	81-0339	81-0340	81-0341	81-0342	81-0343	81-0344	81-0345	81-0346	Incidence
BRAIN	L	N	N	N	N	L	N	L	N	N		N	N	N	N	L	N	L	N	N	N	
Perivascular edema	3					2		1			3/10					1		1				2/10
CERVICAL SPINAL CORD	N	N	N	N	N	N	N	L	N	N		N	N	N	N	N	N	N	L	N	N	
Perivascular edema								2			1/10								1			1/10
THORACIC SPINAL CORD	N	N	N	N	N	N	N	L	N	N		N	N	N	N	N	N	N	L	N	N	
Perivascular edema								2			1/10								1			1/10
LUMBAR SPINAL CORD	N	N	N	N	N	M	N	L	N	I		N	N	N	M	N	N	N	L	I	M	
Perivascular edema								2			1/9								1			1/7
KIDNEY	L/L	L/L	L/L	L/L	L/L	N/N	L/L	L/L	N/N	N/N		N/L	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	
Mononuclear cell infiltrates, focal,																						
unilateral											0/10	1										1/10
Mononuclear cell infiltrates, focal,																						
bilateral	1				1						2/10											0/10
Tubular cell vacuolation, bilateral		2	1	1			1	2			5/10											0/10
Tubular regeneration, unilateral											0/10											0/10

Group I
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

	MALES											FEMALES										
ORGAN Lesion / Accession Number	81-0327	81-0328	81-0329	81-0330	81-0331	81-0332	81-0333	81-0334	81-0335	81-0336	Incidence	81-0337	81-0338	81-0339	81-0340	81-0341	81-0342	81-0343	81-0344	81-0345	81-0346	Incidence
KIDNEY (con't)																						
Tubular regeneration, bilateral											0/10											0/10
Nephritis, focal, bilateral											0/10											0/10
LIVER	N	N	N	N	N	N	N	N	N	N		N	N	N	L	L	N	N	N	N	N	
Mononuclear cell infiltrates, portal, focal											0/10											0/10
Mononuclear cell infiltrates, sinusoidal, focal											0/10				1	1						2/10
Necrotic hepatitis, focal											0/10											0/10
SPLEEN	N	N	N	N	N	N	N	N	L	N		N	N	N	N	N	N	N	N	N	N	
Increased extramedullary hematopoiesis									2		1/10											0/10
Increased pigment											0/10											0/10
TESTIS	N/N	N/N	N/L	N/L	N/N	N/N	N/N	N/N	N/L	N/L		M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	
Germinal cell degeneration, focus, subcapsular, unilateral			2	2					2	2	4/10											---
Germinal cell degeneration, focus, subcapsular, bilateral											0/10											---

Group II
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion \ Accession Number	MALES 81-0347	81-0348	81-0349	81-0350	81-0351	81-0352	81-0353	81-0354	81-0355	81-0356	Incidence	FEMALES 81-0357	81-0358	81-0359	81-0360	81-0361	81-0362	81-0363	81-0364	81-0365	81-0366	Incidence
BRAIN	N	N	L	N	N	N	N	N	N	L		L	N	N	L	L	N	L	N	N	N	
Perivascular edema			3							3	2/10	2			1	1		2				4/10
CERVICAL SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
THORACIC SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
LUMBAR SPINAL CORD	N	N	I	N	N	N	N	N	N	N		N	N	N	N	N	I	N	N	N	N	
Perivascular edema											0/9											0/9
KIDNEY	N/N	L/L	L/L	N/N	L/L	L/L	N/N	N/N	N/L	N/L		N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	
Mononuclear cell infiltrates, focal,																						
unilateral									1	1	2/10											0/10
Mononuclear cell infiltrates, focal,																						
bilateral						1					1/10											0/10
Tubular cell vacuolation, bilateral		1	1		2						3/10											0/10
Tubular regeneration, unilateral											0/10											0/10

Group II
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0347	81-0348	81-0349	81-0350	81-0351	81-0352	81-0353	81-0354	81-0355	81-0356	Incidence	FEMALES 81-0357	81-0358	81-0359	81-0360	81-0361	81-0362	81-0363	81-0364	81-0365	81-0366	Incidence
KIDNEY (con't)																						
Tubular regeneration, bilateral											0/10											0/10
Nephritis, focal, bilateral											0/10											0/10
LIVER	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	L	N	N	N	N	
Mononuclear cell infiltrates, portal, focal											0/10											0/10
Mononuclear cell infiltrates, sinusoidal, focal											0/10						1					1/10
Necrotic hepatitis, focal											0/10											0/10
SPLEEN	N	N	N	N	N	N	N	N	N	L		N	N	N	N	N	N	N	N	N	N	
Increased extramedullary hematopoiesis										2	1/10											0/10
Increased pigment											0/10											0/10
TESTIS	N/N	N/N	N/L	N/N	N/N	N/L	N/L	N/L	L/L	N/N		M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	
Germinal cell degeneration, focus, subcapsular, unilateral			2			2	2	2			4/10											---
Germinal cell degeneration, focus, subcapsular, bilateral									2		1/10											---

Group III

L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

MALES

ORGAN / Lesion \ Accession Number	81-0367	81-0368	81-0369	81-0370	81-0371	81-0372	81-0373	81-0374	81-0375	81-0376	Incidence
BRAIN	N	N	L	L	L	N	N	N	L	N	
Perivascular edema			2	2	2				2		4/10
CERVICAL SPINAL CORD	N	N	M	N	N	N	N	N	N	N	
Perivascular edema											0/9
THORACIC SPINAL CORD	N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10
LUMBAR SPINAL CORD	N	N	M	N	N	N	N	N	N	M	
Perivascular edema											0/8
KIDNEY	N/N	N/N	L/L	L/L	N/N	N/N	L/L	L/L	N/N	N/N	
Mononuclear cell infiltrates, focal, unilateral											0/10
Mononuclear cell infiltrates, focal, bilateral											0/10
Tubular cell vacuolation, bilateral			1	1			1	1			4/10
Tubular regeneration, unilateral											0/10

FEMALES

ORGAN / Lesion \ Accession Number	81-0377	81-0378	81-0379	81-0380	81-0381	81-0382	81-0383	81-0384	81-0385	81-0386	Incidence
BRAIN	L	N	N	N	N	N	L	N	L	N	
Perivascular edema	2						1		2		3/10
CERVICAL SPINAL CORD	N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10
THORACIC SPINAL CORD	N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10
LUMBAR SPINAL CORD	N	N	N	N	N	N	N	I	N	N	
Perivascular edema											0/9
KIDNEY	N/N	N/N	N/N	N/N	N/N	N/L	N/N	N/N	N/N	N/N	
Mononuclear cell infiltrates, focal, unilateral						1					1/10
Mononuclear cell infiltrates, focal, bilateral											0/10
Tubular cell vacuolation, bilateral											0/10
Tubular regeneration, unilateral											0/10

Group III

L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0367	81-0368	81-0369	81-0370	81-0371	81-0372	81-0373	81-0374	81-0375	81-0376	Incidence	FEMALES 81-0377	81-0378	81-0379	81-0380	81-0381	81-0382	81-0383	81-0384	81-0385	81-0386	Incidence
KIDNEY (con't)																						
Tubular regeneration, bilateral											0/10											0/10
Nephritis, focal, bilateral											0/10											0/10
LIVER	N	N	N	N	N	N	N	N	N	N		N	N	L	N	N	N	N	N	N	N	
Mononuclear cell infiltrates, portal, focal											0/10											0/10
Mononuclear cell infiltrates, sinusoidal, focal											0/10			1								1/10
Necrotic hepatitis, focal											0/10											0/10
SPLEEN	N	N	N	N	N	N	N	N	N	N		N	N	L	N	N	N	N	N	N	N	
Increased extramedullary hematopoiesis											0/10			1								1/10
Increased pigment											0/10											0/10
TESTIS	N/N	N/N	L/L	N/L	N/L	N/N	N/L	N/N	N/L	N/N		M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	
Germinal cell degeneration, focus, subcapsular, unilateral				2	2		2		2		4/10											---
Germinal cell degeneration, focus, subcapsular, bilateral			2								1/10											---

Group IV
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0387	81-0388	81-0389	81-0390	81-0391	81-0392	81-0393	81-0394	81-0395	81-0396	Incidence	FEMALES 81-0397	81-0398	81-0399	81-0400	81-0401	81-0402	81-0403	81-0404	81-0405	81-0406	Incidence
BRAIN	N	N	N	N	L	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema					2						1/10											0/10
CERVICAL SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
THORACIC SPINAL CORD	N	N	N	N	N	N	M	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/9											0/10
LUMBAR SPINAL CORD	M	N	N	N	N	N	M	N	N	N		N	N	N	N	N	N	N	N	N	I	
Perivascular edema											0/8											0/9
KIDNEY	N/N	L/L	N/N	N/N	N/N	N/N	L/L	N/N	N/N	L/L		N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/L	N/N	
Mononuclear cell infiltrates, focal,																						
unilateral											0/10											0/10
Mononuclear cell infiltrates, focal,																						
bilateral							1				1/10											0/10
Tubular cell vacuolation, bilateral		1								1	2/10											0/10
Tubular regeneration, unilateral											0/10									1		1/10

Group IV
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

MALES

ORGAN Lesion / Accession Number	81-0387	81-0388	81-0389	81-0390	81-0391	81-0392	81-0393	81-0394	81-0395	81-0396	Incidence
KIDNEY (con't)											
Tubular regeneration, bilateral											0/10
Nephritis, focal, bilateral											0/10
LIVER	N	N	N	N	N	N	N	N	N	N	
Mononuclear cell infiltrates, portal,											
focal											0/10
Mononuclear cell infiltrates,											
sinusoidal, focal											0/10
Necrotic hepatitis, focal											0/10
SPLEEN	N	N	N	N	N	N	N	N	N	N	
Increased extramedullary hematopoiesis											0/10
Increased pigment											0/10
TESTIS	N/L	N/N	L/L	N/N	N/N	N/N	N/N	N/N	N/L	N/N	
Germinal cell degeneration, focus,											
subcapsular, unilateral	2								1		2/10
Germinal cell degeneration, focus,											
subcapsular, bilateral			2								1/10

FEMALES

ORGAN Lesion / Accession Number	81-0397	81-0398	81-0399	81-0400	81-0401	81-0402	81-0403	81-0404	81-0405	81-0406	Incidence
KIDNEY (con't)											
Tubular regeneration, bilateral											0/1
Nephritis, focal, bilateral											0/1
LIVER	L	N	N	N	N	N	L	N	N	N	
Mononuclear cell infiltrates, portal,											
focal											0/1
Mononuclear cell infiltrates,											
sinusoidal, focal											0/1
Necrotic hepatitis, focal	1						1				2/1
SPLEEN	N	N	N	N	N	N	N	N	N	N	
Increased extramedullary hematopoiesis											0/1
Increased pigment											0/1
TESTIS	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	1/M	
Germinal cell degeneration, focus,											
subcapsular, unilateral											---
Germinal cell degeneration, focus,											
subcapsular, bilateral											---

Group V
L6116 SNB
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0407	81-0408	81-0409	81-0410	81-0411	81-0412	81-0413	81-0414	81-0415	81-0416	Incidence	FEMALES 81-0417	81-0418	81-0419	81-0420	81-0421	81-0422	81-0423	81-0424	81-0425	81-0426	Incidence
BRAIN	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
CERVICAL SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
THORACIC SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
LUMBAR SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	I	
Perivascular edema											0/10											0/9
KIDNEY	N/L	N/N	L/L	N/N	N/N	N/N	N/N	N/N	N/L	N/N		N/N	N/N	N/N	N/N	L/L	N/N	N/N	N/N	L/L	N/N	
Mononuclear cell infiltrates, focal,																						
unilateral	1								1		2/10											0/10
Mononuclear cell infiltrates, focal,																						
bilateral											0/10									1		1/10
Tubular cell vacuolation, bilateral			1								1/10											0/10
Tubular regeneration, unilateral											0/10											0/10

Group V
L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0407	81-0408	81-0409	81-0410	81-0411	81-0412	81-0413	81-0414	81-0415	81-0416	Incidence	FEMALES 81-0417	81-0418	81-0419	81-0420	81-0421	81-0422	81-0423	81-0424	81-0425	81-0426	Incidence
KIDNEY (con't)																						
Tubular regeneration, bilateral											0/10											0/1
Nephritis, focal, bilateral											0/10					2						1/1
LIVER	N	N	N	N	N	N	N	N	L	N		N	L	N	L	N	N	L	L	N	N	
Mononuclear cell infiltrates, portal,																						
focal									1		1/10											0/1
Mononuclear cell infiltrates,																						
sinusoidal, focal											0/10							1				1/1
Necrotic hepatitis, focal											0/10		1		1				1			3/1
SPLEEN	N	L	L	L	N	L	L	L	L	L		L	L	L	L	L	L	L	L	L	L	
Increased extramedullary hematopoiesis											0/10					1						1/1
Increased pigment		1	1	1		1	1	1	1	1	8/10	1	1	1	1	1	1	1	1	1	1	10/1
TESTIS	N/L	N/L	N/N	N/L	N/L	N/N	N/N	L/L	N/L	N/N		M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	
Germinal cell degeneration, focus,																						
subcapsular, unilateral	2	2		2	2				2		5/10											---
Germinal cell degeneration, focus,																						
subcapsular, bilateral								2			1/10											---

Group VI

L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0427	81-0428	81-0429	81-0430	81-0431	81-0432	81-0433	81-0434	81-0435	81-0436	Incidence	FEMALES 81-0437	81-0438	81-0439	81-0440	81-0441	81-0442	81-0443	81-0444	81-0445	81-0446	Incidence
BRAIN	N	N	N	N	N	L	N	L	L	N		N	L	N	N	L	N	N	N	N	N	
Perivascular edema						1		1	1		3/10		1			1						2/10
CERVICAL SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
THORACIC SPINAL CORD	N	N	N	N	N	N	N	N	N	N		N	N	N	N	N	N	N	N	N	N	
Perivascular edema											0/10											0/10
LUMBAR SPINAL CORD	N	N	N	N	N	N	N	N	I	N		N	M	N	N	N	N	N	N	N	N	
Perivascular edema											0/9											0/9
KIDNEY	N/N	N/N	N/N	N/N	N/N	L/L	N/L	N/N	N/N	N/N		N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	N/N	
Mononuclear cell infiltrates, focal,																						
unilateral							1				1/10											0/10
Mononuclear cell infiltrates, focal,																						
bilateral											0/10											0/10
Tubular cell vacuolation, bilateral											0/10											0/10
Tubular regeneration, unilateral											0/10											0/10

Group VI

L6116 SN8
B6C3F1 Hybrid Mice
TNT Four Week Subchronic

HISTOPATHOLOGY INCIDENCE TABLE

ORGAN Lesion / Accession Number	MALES 81-0427	81-0428	81-0429	81-0430	81-0431	81-0432	81-0433	81-0434	81-0435	81-0436	Incidence	FEMALES 81-0437	81-0438	81-0439	81-0440	81-0441	81-0442	81-0443	81-0444	81-0445	81-0446	Incidence
KIDNEY (con't)																						
Tubular regeneration, bilateral						1					1/10											0/10
Nephritis, focal, bilateral											0/10											0/10
LIVER	N	N	N	N	N	N	N	N	N	N		L	N	L	N	N	N	N	N	N	N	
Mononuclear cell infiltrates, portal,																						
focal											0/10											0/10
Mononuclear cell infiltrates,																						
sinusoidal, focal											0/10											0/10
Necrotic hepatitis, focal											0/10	1		1								2/10
SPLEEN	L	L	L	L	L	L	L	L	L	L		L	L	L	L	L	L	L	L	L	L	
Increased extramedullary hematopoiesis											0/10											0/10
Increased pigment	2	2	2	2	2	2	2	2	2	2	10/10	2	2	2	2	2	2	2	2	2	2	10/10
TESTIS	N/L	N/L	N/N	N/N	N/N	N/L	N/L	N/L	N/L	N/N		M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	M/M	
Germinal cell degeneration, focus,																						
subcapsular, unilateral	2	2				1	2	2	2		6/10											---
Germinal cell degeneration, focus,																						
subcapsular, bilateral											0/10											---

APPENDIX V

HEMATOLOGY METHODOLOGY

Hemoglobin

Cyanmethemoglobin method
Coulter Counter Model S System

Hematocrit

Indirect method; calculated value based on erythrocyte count and mean corpuscular volume
Coulter Counter Model S System

Erythrocyte Count

Electronic Counting Procedure
Coulter Counter Model S System

Mean Corpuscular Volume (MCV)

Electronic Sizing Procedure
Coulter Counter Model S System

Mean Corpuscular Hemoglobin (MCH)

Indirect method; calculated value based on erythrocyte count and hemoglobin
Coulter Counter Model S System

Mean Corpuscular Hemoglobin Concentration (MCHC)

Indirect method; calculated value based on hematocrit and hemoglobin
Coulter Counter Model S System

Leukocyte Count

Electronic Counting Procedure
Coulter Counter Model S System

Leukocyte Differential Count

Neutrophils - Immature
Neutrophils - Mature
Monocytes
Basophils
Lymphocytes
Eosinophils
Wright stain procedure
Schalm, O.W., Jain, N.C. and Carroll, E.J. Veterinary Hematology, Color Plates Chapter, 3rd Edition, Lee and Febiger, 1975.

RBCs with Howell-Jolly Bodies

Wright stain procedure
Schalm, O.W., Jain, N.C. and Carroll, E.J. Veterinary Hematology, Color Plates Chapter, 3rd Edition, Lee and Febiger, 1975.

RBCs with Heinz Bodies

Wright stain procedure
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Nucleated RBCs

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APPENDIX VI

CLINICAL CHEMISTRY METHODOLOGY

Glucose

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Urea Nitrogen (BUN)

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Glutamic-Pyruvic Transaminase (SGPT)

Modified Wroblewski and LaDue technique
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Total Protein

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Albumin

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Cholesterol

Cholesterol esterase-cholesterol oxidase method
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Bilirubin, Total

Modified Walters and Gerarde Method
Centrifichem Centrifugal Analyzer System
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Bilirubin, Direct

Modified Walters and Gerarde Method
Centrifichem Centrifugal Analyzer System
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APPENDIX VII

INDIVIDUAL ANIMAL DATA

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Table VII.1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
SURVIVAL RATE DATA

ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT
001	1	M	10-08-82	1	002	1	M	10-12-83	1	003	1	M	09-12-83	0
004	1	M	10-08-82	1	005	1	M	10-12-83	1	006	1	M	04-14-82	1
007	1	M	10-12-83	1	008	1	M	09-02-83	0	009	1	M	09-25-83	0
010	1	M	10-12-83	1	011	1	M	10-12-83	1	012	1	M	10-07-82	1
013	1	M	10-12-83	1	014	1	M	10-12-83	1	015	1	M	10-12-83	1
016	1	M	04-14-82	1	017	1	M	10-12-83	1	018	1	M	10-08-82	1
019	1	M	10-12-83	1	020	1	M	10-12-83	1	021	1	M	10-08-82	1
022	1	M	10-12-83	1	023	1	M	10-12-83	1	024	1	M	04-15-82	1
025	1	M	10-12-83	1	026	1	M	10-07-82	1	027	1	M	05-24-83	0
028	1	M	10-12-83	1	029	1	M	10-12-83	1	030	1	M	10-12-83	1
031	1	M	10-12-83	1	032	1	M	10-07-82	1	033	1	M	10-12-83	1
034	1	M	10-12-83	1	035	1	M	10-12-83	1	036	1	M	10-08-82	1
037	1	M	10-12-83	1	038	1	M	07-15-82	0	039	1	M	03-09-83	0
040	1	M	06-20-83	0	041	1	M	10-12-83	1	042	1	M	04-16-82	1
043	1	M	09-17-82	0	044	1	M	10-07-82	1	045	1	M	04-15-82	1
046	1	M	10-12-83	1	047	1	M	10-12-83	1	048	1	M	04-24-83	0
049	1	M	04-16-82	1	050	1	M	10-07-82	1	051	1	M	10-12-83	1
052	1	M	04-16-82	1	053	1	M	10-12-83	1	054	1	M	10-12-83	1
055	1	M	10-12-83	1	056	1	M	04-15-82	1	057	1	M	10-12-83	1
058	1	M	10-12-83	1	059	1	M	04-16-82	1	060	1	M	10-12-83	1
061	1	M	10-12-83	1	062	1	M	04-14-82	1	063	1	M	10-12-83	1
064	1	M	10-12-83	1	065	1	M	04-25-83	0	066	1	M	10-12-83	1
067	1	M	10-12-83	1	068	1	M	07-04-83	0	069	1	M	10-12-83	1
070	1	M	10-12-83	1	071	1	M	10-12-83	1	072	1	M	10-12-83	1
073	1	M	10-12-83	1	074	1	M	07-25-83	0	075	1	M	10-12-83	1
076	1	F	06-17-83	0	077	1	F	05-17-83	0	078	1	F	10-12-83	1
079	1	F	10-12-83	1	080	1	F	10-12-83	1	081	1	F	10-12-83	1
082	1	F	10-12-83	1	083	1	F	10-12-83	1	084	1	F	10-07-82	1
085	1	F	10-12-83	1	086	1	F	04-15-82	1	087	1	F	10-12-83	1
088	1	F	04-14-82	1	089	1	F	07-25-83	0	090	1	F	10-12-83	1
091	1	F	10-12-83	1	092	1	F	10-05-83	0	093	1	F	10-12-83	1
094	1	F	04-24-83	0	095	1	F	10-12-83	1	096	1	F	10-12-83	1
097	1	F	06-19-83	0	098	1	F	10-12-83	1	099	1	F	10-12-83	1
100	1	F	08-29-83	0	101	1	F	10-12-83	1	102	1	F	05-20-83	0
103	1	F	10-12-83	1	104	1	F	04-16-82	1	105	1	F	04-15-82	1
106	1	F	10-12-83	1	107	1	F	09-26-83	0	108	1	F	07-22-83	0
109	1	F	10-12-83	1	110	1	F	10-12-83	1	111	1	F	10-08-82	1
112	1	F	10-12-83	1	113	1	F	04-16-82	1	114	1	F	10-12-83	1
115	1	F	10-12-83	1	116	1	F	10-08-82	1	117	1	F	10-12-83	1
118	1	F	10-12-83	1	119	1	F	10-07-83	0	120	1	F	04-16-82	1

EVENT CODE IS: 0=DIED 1=SCHEDULED SACRIFICED

Table VII.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE SURVIVAL RATE DATA

ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT
121	1	F	10-07-82	1	122	1	F	10-12-83	1	123	1	F	10-07-82	1
124	1	F	10-07-82	1	125	1	F	04-15-82	1	126	1	F	10-08-82	1
127	1	F	01-21-83	0	128	1	F	06-05-83	0	129	1	F	10-12-83	1
130	1	F	10-12-83	1	131	1	F	04-14-82	1	132	1	F	10-12-83	1
133	1	F	10-12-83	1	134	1	F	10-12-83	1	135	1	F	10-12-83	1
136	1	F	10-12-83	1	137	1	F	09-04-83	0	138	1	F	10-07-82	1
139	1	F	04-16-82	1	140	1	F	10-12-83	1	141	1	F	10-12-83	1
142	1	F	10-08-82	1	143	1	F	04-14-82	1	144	1	F	07-06-83	0
145	1	F	10-08-82	1	146	1	F	10-03-83	0	147	1	F	10-12-83	1
148	1	F	03-19-82	0	149	1	F	10-12-83	1	150	1	F	10-12-83	1
151	2	M	09-25-83	0	152	2	M	10-12-83	1	153	2	M	04-16-82	1
154	2	M	07-28-83	0	155	2	M	10-12-83	1	156	2	M	10-12-83	1
157	2	M	10-12-83	1	158	2	M	04-14-82	1	159	2	M	07-11-83	0
160	2	M	10-12-83	1	161	2	M	10-12-83	1	162	2	M	10-12-83	1
163	2	M	10-12-83	1	164	2	M	10-12-83	1	165	2	M	07-02-83	0
166	2	M	10-12-83	1	167	2	M	04-15-82	1	168	2	M	10-12-83	1
169	2	M	10-03-83	0	170	2	M	10-08-82	1	171	2	M	04-14-82	1
172	2	M	10-12-83	1	173	2	M	10-08-82	1	174	2	M	10-12-83	1
175	2	M	10-07-82	1	176	2	M	10-12-83	1	177	2	M	10-12-83	1
178	2	M	10-12-83	1	179	2	M	10-12-83	1	180	2	M	10-12-83	1
181	2	M	10-12-83	1	182	2	M	10-12-83	1	183	2	M	10-08-82	1
184	2	M	10-12-83	1	185	2	M	04-14-82	1	186	2	M	10-12-83	1
187	2	M	04-15-82	1	188	2	M	10-07-82	1	189	2	M	10-12-83	1
190	2	M	04-16-82	1	191	2	M	10-12-83	1	192	2	M	04-14-82	1
193	2	M	04-24-83	0	194	2	M	01-18-83	0	195	2	M	10-12-83	1
196	2	M	10-08-82	1	197	2	M	10-12-83	1	198	2	M	10-08-82	1
199	2	M	04-15-82	1	200	2	M	10-12-83	1	201	2	M	10-07-82	1
202	2	M	10-07-82	1	203	2	M	10-12-83	1	204	2	M	09-08-82	0
205	2	M	10-12-83	1	206	2	M	03-02-83	0	207	2	M	10-12-83	1
208	2	M	10-12-83	1	209	2	M	08-07-82	0	210	2	M	10-12-83	1
211	2	M	10-12-83	1	212	2	M	10-12-83	1	213	2	M	10-07-82	1
214	2	M	10-10-83	0	215	2	M	04-16-82	1	216	2	M	10-12-83	1
217	2	M	10-12-83	1	218	2	M	10-12-83	1	219	2	M	10-12-83	1
220	2	M	05-03-83	0	221	2	M	10-12-83	1	222	2	M	10-12-83	1
223	2	M	02-21-83	0	224	2	M	10-12-83	1	225	2	M	10-12-83	1
226	2	F	10-12-83	1	227	2	F	09-04-83	0	228	2	F	10-12-83	1
229	2	F	10-12-83	1	230	2	F	10-12-83	1	231	2	F	10-12-83	1
232	2	F	10-07-82	1	233	2	F	10-08-82	1	234	2	F	10-12-83	1
235	2	F	10-12-83	1	236	2	F	10-12-83	1	237	2	F	10-12-83	1
238	2	F	10-12-83	1	239	2	F	10-12-83	1	240	2	F	08-11-83	0

EVENT CODE IS: 0=DIED 1=SCHEDULED SACRIFICED

Table VII.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE SURVIVAL RATE DATA

ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT
241	2	F	10-12-83	1	242	2	F	12-31-81	0	243	2	F	10-06-83	0
244	2	F	10-12-83	1	245	2	F	10-12-83	1	246	2	F	04-16-82	1
247	2	F	10-12-83	1	248	2	F	07-01-83	0	249	2	F	05-25-83	0
250	2	F	04-14-82	1	251	2	F	10-12-83	1	252	2	F	09-19-83	0
253	2	F	09-19-83	0	254	2	F	10-07-82	1	255	2	F	08-17-83	0
256	2	F	10-12-83	1	257	2	F	10-07-82	1	258	2	F	10-12-83	1
259	2	F	10-12-83	1	260	2	F	10-12-83	1	261	2	F	10-12-83	1
262	2	F	10-12-83	1	263	2	F	10-07-82	1	264	2	F	10-12-83	1
265	2	F	04-15-82	1	266	2	F	10-12-83	1	267	2	F	10-08-82	1
268	2	F	04-14-82	1	269	2	F	10-12-83	1	270	2	F	10-12-83	1
271	2	F	10-03-83	0	272	2	F	10-08-82	1	273	2	F	10-12-83	1
274	2	F	04-15-82	1	275	2	F	10-08-82	1	276	2	F	10-12-83	1
277	2	F	10-12-83	1	278	2	F	10-12-83	1	279	2	F	10-12-83	1
280	2	F	10-12-83	1	281	2	F	04-15-82	1	282	2	F	10-12-83	1
283	2	F	04-16-82	1	284	2	F	10-07-82	1	285	2	F	04-16-82	1
286	2	F	10-26-82	0	287	2	F	10-12-83	1	288	2	F	04-15-82	1
289	2	F	10-12-83	1	290	2	F	10-12-83	1	291	2	F	05-24-83	0
292	2	F	10-12-83	1	293	2	F	10-12-83	1	294	2	F	08-19-83	0
295	2	F	04-14-82	1	296	2	F	10-08-82	1	297	2	F	09-16-83	0
298	2	F	10-12-83	1	299	2	F	10-07-83	0	300	2	F	10-12-83	1
301	3	M	07-28-83	0	302	3	M	04-16-82	1	303	3	M	10-12-83	1
304	3	M	10-12-83	1	305	3	M	07-21-83	0	306	3	M	10-12-83	1
307	3	M	10-07-82	1	308	3	M	04-15-82	1	309	3	M	10-12-83	1
310	3	M	10-12-83	1	311	3	M	10-07-82	1	312	3	M	10-08-82	1
313	3	M	10-12-83	1	314	3	M	07-24-83	0	315	3	M	10-08-82	1
316	3	M	10-12-83	1	317	3	M	10-12-83	1	318	3	M	10-12-83	1
319	3	M	10-08-82	1	320	3	M	12-24-81	0	321	3	M	04-16-82	1
322	3	M	10-12-83	1	323	3	M	10-12-83	1	324	3	M	09-27-83	0
325	3	M	10-12-83	1	326	3	M	10-12-83	1	327	3	M	10-12-83	1
328	3	M	10-12-83	1	329	3	M	10-12-83	1	330	3	M	05-03-83	0
331	3	M	04-16-82	1	332	3	M	10-12-83	1	333	3	M	09-06-83	0
334	3	M	10-12-83	1	335	3	M	10-08-82	1	336	3	M	08-27-83	0
337	3	M	10-12-83	1	338	3	M	04-15-82	1	339	3	M	10-12-83	1
340	3	M	10-12-83	1	341	3	M	04-14-82	1	342	3	M	04-16-82	1
343	3	M	04-14-82	1	344	3	M	10-12-83	1	345	3	M	10-12-83	1
346	3	M	10-12-83	1	347	3	M	10-06-83	0	348	3	M	10-12-83	1
349	3	M	10-12-83	1	350	3	M	10-12-83	1	351	3	M	10-12-83	1
352	3	M	10-12-83	1	353	3	M	10-12-83	1	354	3	M	10-12-83	1
355	3	M	10-12-83	1	356	3	M	10-12-83	1	357	3	M	10-12-83	1
358	3	M	04-14-82	1	359	3	M	10-07-82	1	360	3	M	10-08-82	1

EVENT CODE IS: 0=DIED 1=SCHEDULED SACRIFICED

Table VII.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
SURVIVAL RATE DATA

ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT
361	3	M	10-12-83	1	362	3	M	10-07-82	1	363	3	M	09-26-83	O
364	3	M	10-12-83	1	365	3	M	10-12-83	1	366	3	M	04-15-82	1
367	3	M	10-07-82	1	368	3	M	10-12-83	1	369	3	M	09-08-82	O
370	3	M	12-23-81	O	371	3	M	05-26-83	O	372	3	M	10-12-83	1
373	3	M	10-12-83	1	374	3	M	10-12-83	1	375	3	M	10-12-83	1
376	3	F	10-12-83	1	377	3	F	04-15-82	1	378	3	F	10-12-83	1
379	3	F	10-07-82	1	380	3	F	10-12-83	1	381	3	F	04-15-82	1
382	3	F	10-12-83	1	383	3	F	08-25-83	O	384	3	F	10-12-83	1
385	3	F	10-08-82	1	386	3	F	10-12-83	1	387	3	F	10-12-83	1
388	3	F	10-12-83	1	389	3	F	10-12-83	1	390	3	F	10-12-83	1
391	3	F	10-08-82	1	392	3	F	10-12-83	1	393	3	F	10-12-83	1
394	3	F	04-15-82	1	395	3	F	10-08-82	1	396	3	F	10-12-83	1
397	3	F	10-12-83	1	398	3	F	10-12-83	1	399	3	F	04-16-82	1
400	3	F	10-12-83	1	401	3	F	08-16-83	O	402	3	F	06-01-83	O
403	3	F	10-12-83	1	404	3	F	04-16-82	1	405	3	F	10-12-83	1
406	3	F	10-12-83	1	407	3	F	10-12-83	1	408	3	F	10-08-82	1
409	3	F	08-04-83	O	410	3	F	12-26-82	O	411	3	F	10-07-82	1
412	3	F	10-12-83	1	413	3	F	10-07-82	1	414	3	F	08-23-82	O
415	3	F	10-12-83	1	416	3	F	10-12-83	1	417	3	F	10-12-83	1
418	3	F	04-16-82	1	419	3	F	10-12-83	1	420	3	F	10-12-83	1
421	3	F	06-20-83	O	422	3	F	10-12-83	1	423	3	F	10-08-82	1
424	3	F	10-12-83	1	425	3	F	10-12-83	1	426	3	F	10-12-83	1
427	3	F	10-12-83	1	428	3	F	10-12-83	1	429	3	F	07-08-83	O
430	3	F	10-12-83	1	431	3	F	10-07-82	1	432	3	F	10-12-83	1
433	3	F	04-14-82	1	434	3	F	10-12-83	1	435	3	F	10-12-83	1
436	3	F	10-12-83	1	437	3	F	10-12-83	1	438	3	F	04-15-82	1
439	3	F	10-07-82	1	440	3	F	10-12-83	1	441	3	F	10-12-83	1
442	3	F	10-12-83	1	443	3	F	10-12-83	1	444	3	F	10-12-83	1
445	3	F	04-14-82	1	446	3	F	10-12-83	1	447	3	F	10-12-83	1
448	3	F	10-12-83	1	449	3	F	04-14-82	1	450	3	F	10-12-83	1
451	4	M	10-12-83	1	452	4	M	10-12-83	1	453	4	M	10-12-83	1
454	4	M	10-12-83	1	455	4	M	09-28-83	O	456	4	M	10-08-82	1
457	4	M	08-24-83	O	458	4	M	10-08-82	1	459	4	M	04-16-82	1
460	4	M	10-12-83	1	461	4	M	04-14-82	1	462	4	M	10-12-83	1
463	4	M	08-27-83	O	464	4	M	04-14-82	1	465	4	M	10-12-83	1
466	4	M	04-15-82	1	467	4	M	02-16-83	O	468	4	M	10-12-83	1
469	4	M	10-12-83	1	470	4	M	10-08-82	1	471	4	M	10-07-82	1
472	4	M	10-12-83	1	473	4	M	10-12-83	1	474	4	M	10-12-83	1
475	4	M	10-12-83	1	476	4	M	10-12-83	1	477	4	M	10-07-82	1
478	4	M	04-15-82	1	479	4	M	10-12-83	1	480	4	M	10-12-83	1

EVENT CODE IS: O=DIED 1=SCHEDULED SACRIFICED

Table VII.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
SURVIVAL RATE DATA

ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT	ANIMAL NO.	TR GROUP	SEX	DATE	EVENT
481	4	M	10-12-83	1	482	4	M	01-15-83	0	483	4	M	10-12-83	1
484	4	M	10-12-83	1	485	4	M	10-12-83	1	486	4	M	10-12-83	1
487	4	M	10-12-83	1	488	4	M	10-12-83	1	489	4	M	10-12-83	1
490	4	M	10-07-82	1	491	4	M	09-25-83	0	492	4	M	10-12-83	1
493	4	M	10-08-82	1	494	4	M	10-12-83	1	495	4	M	10-12-83	1
496	4	M	10-12-83	1	497	4	M	07-30-83	0	498	4	M	02-20-83	0
499	4	M	04-15-82	1	500	4	M	10-08-82	1	501	4	M	10-12-83	1
502	4	M	10-07-82	1	503	4	M	10-12-83	1	504	4	M	04-16-82	1
505	4	M	04-16-82	1	506	4	M	10-12-83	1	507	4	M	10-12-83	1
508	4	M	10-12-83	1	509	4	M	08-17-83	0	510	4	M	08-29-82	0
511	4	M	10-12-83	1	512	4	M	10-12-83	1	513	4	M	10-12-83	1
514	4	M	10-12-83	1	515	4	M	10-12-83	1	516	4	M	10-12-83	1
517	4	M	10-12-83	1	518	4	M	04-14-82	1	519	4	M	04-14-82	1
520	4	M	09-10-83	0	521	4	M	10-12-83	1	522	4	M	10-12-83	1
523	4	M	10-07-82	1	524	4	M	10-18-82	0	525	4	M	10-12-83	1
526	4	F	10-12-83	1	527	4	F	03-23-83	0	528	4	F	10-12-83	1
529	4	F	10-12-83	1	530	4	F	10-12-83	1	531	4	F	10-12-83	1
532	4	F	04-14-82	1	533	4	F	10-07-82	1	534	4	F	10-12-83	1
535	4	F	10-12-83	1	536	4	F	10-12-83	1	537	4	F	10-12-83	1
538	4	F	10-12-83	1	539	4	F	10-07-82	1	540	4	F	04-14-82	1
541	4	F	09-27-83	0	542	4	F	10-12-83	1	543	4	F	10-07-82	1
544	4	F	10-12-83	1	545	4	F	10-12-83	1	546	4	F	10-12-83	1
547	4	F	04-15-82	1	548	4	F	02-24-83	0	549	4	F	10-03-83	0
550	4	F	04-15-82	1	551	4	F	10-12-83	1	552	4	F	10-12-83	1
553	4	F	10-07-82	1	554	4	F	10-12-83	1	555	4	F	10-07-82	1
556	4	F	10-08-82	1	557	4	F	10-12-83	1	558	4	F	10-12-83	1
559	4	F	10-12-83	1	560	4	F	04-16-82	1	561	4	F	10-12-83	1
562	4	F	10-12-83	1	563	4	F	10-12-83	1	564	4	F	09-28-83	0
565	4	F	10-08-82	1	566	4	F	10-12-83	1	567	4	F	10-12-83	1
568	4	F	10-12-83	1	569	4	F	10-12-83	1	570	4	F	10-08-82	1
571	4	F	10-12-83	1	572	4	F	10-12-83	1	573	4	F	10-12-83	1
574	4	F	10-12-83	1	575	4	F	10-12-83	1	576	4	F	10-12-83	1
577	4	F	10-12-83	1	578	4	F	10-12-83	1	579	4	F	10-12-83	1
580	4	F	04-15-82	1	581	4	F	04-15-82	1	582	4	F	04-16-82	1
583	4	F	10-12-83	1	584	4	F	10-12-83	1	585	4	F	10-12-83	1
586	4	F	10-12-83	1	587	4	F	10-12-83	1	588	4	F	10-12-83	1
589	4	F	10-12-83	1	590	4	F	04-14-82	1	591	4	F	10-12-83	1
592	4	F	10-12-83	1	593	4	F	10-12-83	1	594	4	F	10-12-83	1
595	4	F	09-12-82	0	596	4	F	10-12-83	1	597	4	F	04-16-82	1
598	4	F	10-08-82	1	599	4	F	10-08-82	1	600	4	F	10-12-83	1

EVENT CODE IS: 0=DIED 1=SCHEDULED SACRIFICED

Table VII.2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
1	1	M	21.9	23.7	25.7	27.6	28.3	30.1	29.8	31.0	31.3	31.5	32.1	32.6	33.0	33.7	33.1	33.8	34.5	34.3	34.0	35.4	33.7
2	1	M	22.0	24.3	26.0	27.8	28.6	30.2	31.2	32.1	32.5	32.5	33.2	33.6	33.5	34.2	33.2	34.6	35.2	37.4	37.4	38.4	37.5
3	1	M	20.1	21.9	23.3	24.4	25.4	26.6	29.9	27.6	28.7	28.8	28.9	29.5	29.9	30.5	29.6	30.9	30.7	31.4	30.9	31.5	30.1
4	1	M	19.8	21.1	22.7	23.7	25.0	26.5	26.5	28.2	28.6	28.2	29.0	29.6	29.8	30.7	30.2	31.4	31.9	32.7	32.2	32.9	31.6
5	1	M	18.9	20.3	22.4	24.3	25.7	26.5	27.2	28.3	28.9	28.9	29.3	29.9	30.6	30.8	30.8	31.9	31.9	33.3	32.3	33.4	32.0
6	1	M	21.0	22.6	24.3	25.3	26.1	28.1	28.6	30.0	29.9	30.6	31.2	32.7	32.4	33.6	33.1	33.7	33.8	35.0	34.5	34.1	34.6
7	1	M	18.7	21.1	22.6	23.6	25.4	26.1	27.0	27.9	28.6	29.8	29.7	29.8	30.0	31.2	30.5	30.7	32.1	32.2	31.6	32.2	33.4
8	1	M	23.2	25.1	26.2	27.7	28.8	30.1	30.4	32.1	32.7	32.6	33.1	34.0	33.8	36.1	35.4	36.0	35.8	35.8	36.2	36.9	37.2
9	1	M	17.5	19.5	21.1	22.8	24.0	25.2	26.0	27.2	27.2	28.0	28.0	27.9	28.2	29.0	28.7	29.8	30.4	30.8	30.1	31.9	31.1
10	1	M	18.7	19.6	21.1	22.6	24.0	24.5	26.0	26.8	28.0	28.2	28.2	28.2	28.5	29.6	29.6	30.0	31.9	32.4	31.5	32.6	34.0
11	1	M	22.4	24.6	26.1	27.3	28.8	30.2	31.9	32.1	32.0	32.5	32.8	33.3	33.2	34.6	34.5	34.7	34.6	36.4	35.9	37.1	37.0
12	1	M	22.0	23.7	24.8	25.8	27.1	28.3	28.8	30.0	31.1	31.4	31.5	32.0	32.5	33.4	33.6	35.2	35.2	36.6	36.6	37.4	37.6
13	1	M	21.2	23.3	25.2	26.7	28.2	29.4	30.6	31.1	31.0	31.6	32.3	32.5	32.7	32.9	33.3	33.5	34.7	34.1	35.0	34.9	34.4
14	1	M	23.1	24.9	26.5	27.7	29.0	29.4	30.4	31.4	32.2	32.3	32.9	33.1	33.5	33.4	33.0	34.1	34.4	35.5	34.4	34.8	35.3
15	1	M	22.9	24.3	25.6	27.5	28.6	30.3	30.8	31.1	31.4	31.9	32.0	33.0	32.4	33.2	32.9	33.2	33.8	33.8	33.3	34.3	34.0
16	1	M	20.8	22.1	23.8	25.0	26.0	26.9	27.5	27.7	27.6	28.4	28.8	29.3	29.4	29.9	29.4	29.6	31.0	31.4	31.9	32.0	31.8
17	1	M	23.8	25.2	26.9	28.1	29.8	31.0	31.8	32.3	32.5	33.3	33.7	33.6	34.0	35.4	35.1	36.4	37.2	39.2	40.2	40.9	42.4
18	1	M	19.9	22.0	23.9	24.4	25.6	27.0	28.0	29.0	29.5	28.9	29.9	30.1	29.8	30.0	30.6	31.0	31.3	32.0	32.6	32.3	32.1
19	1	M	18.6	19.9	22.1	23.8	24.8	26.2	27.6	27.7	28.1	28.4	29.0	29.5	30.0	29.7	29.2	31.2	30.8	32.2	31.6	32.3	32.2
20	1	M	20.6	21.8	23.5	25.2	26.4	28.6	29.1	29.6	29.9	30.1	30.6	31.3	32.1	32.4	31.9	34.5	33.7	34.4	34.4	35.3	35.1
21	1	M	22.8	23.8	24.6	26.0	27.1	28.6	28.6	29.9	30.5	31.3	31.4	32.2	33.3	33.4	33.0	34.9	36.9	36.3	36.8	37.8	37.3
22	1	M	19.7	21.6	23.6	25.0	26.0	27.2	27.5	28.5	29.4	29.5	29.1	29.7	30.0	30.4	30.6	31.5	32.1	31.5	33.5	34.3	33.8
23	1	M	21.5	23.7	25.8	27.0	28.8	29.9	30.8	31.9	33.4	34.2	34.2	35.3	35.2	35.3	35.7	37.1	37.7	38.2	38.0	39.3	39.1
24	1	M	18.7	21.7	23.2	25.1	26.3	27.3	27.5	28.3	28.8	28.8	28.6	29.0	30.5	30.3	29.8	31.2	32.7	32.2	34.6	34.5	33.4
25	1	M	21.8	24.0	25.3	26.5	27.7	28.5	28.9	29.5	30.2	30.4	29.8	30.3	30.9	31.5	30.8	31.7	33.2	34.0	33.8	33.6	32.9
26	1	M	21.6	23.3	25.0	26.3	27.0	28.1	28.9	29.7	30.7	31.3	31.3	31.6	32.3	32.7	32.7	32.8	33.6	34.2	33.8	35.1	36.5
27	1	M	18.7	19.9	21.9	22.4	24.5	26.0	27.1	28.1	29.2	29.6	29.9	30.4	30.8	31.2	31.2	32.2	32.4	33.5	34.1	35.1	35.5
28	1	M	24.0	25.5	27.2	28.1	29.4	30.9	31.7	32.9	34.3	35.0	35.5	35.7	36.6	37.9	38.6	39.2	40.7	42.0	41.6	43.2	45.6
29	1	M	19.2	20.5	22.7	24.5	25.9	27.4	28.4	30.2	31.2	30.9	31.7	32.1	32.7	32.3	32.1	32.8	32.7	33.0	33.6	33.8	34.9
30	1	M	19.9	21.6	23.1	25.1	26.2	27.5	28.0	29.2	29.9	30.8	30.3	30.6	31.2	31.5	31.8	32.2	32.0	32.3	33.1	34.1	34.3
31	1	M	23.2	24.8	26.1	27.9	28.3	29.3	30.1	31.2	30.9	30.9	32.0	32.7	32.9	32.9	33.3	33.5	36.2	35.8	36.6	39.0	39.2
32	1	M	22.0	24.0	25.6	27.2	27.4	29.3	29.2	30.2	30.2	30.8	31.1	32.3	32.9	32.4	32.4	33.1	34.0	34.6	34.7	35.3	36.1
33	1	M	23.1	24.2	25.6	26.9	27.5	29.0	29.9	30.5	31.6	32.0	33.0	33.7	34.3	34.8	34.6	35.0	36.6	35.6	37.4	38.8	39.4
34	1	M	22.8	25.6	26.8	28.6	29.4	30.7	31.3	31.8	31.7	31.9	33.1	34.1	34.2	34.6	33.8	33.3	34.5	33.8	36.0	36.6	36.1
35	1	M	18.4	20.3	22.0	23.9	24.8	26.6	26.9	28.4	29.3	29.2	29.9	31.4	31.6	31.7	31.4	32.6	32.3	32.3	33.1	34.2	34.3
36	1	M	21.9	23.2	24.2	25.1	25.8	26.5	26.8	27.7	28.6	29.2	29.7	29.1	29.5	30.1	30.4	30.7	31.7	31.8	31.6	33.2	33.4
37	1	M	19.5	21.0	23.2	24.8	26.0	28.0	27.4	28.3	29.1	29.8	30.2	29.9	30.3	30.8	30.9	31.3	31.2	31.1	31.1	31.9	32.4
38	1	M	19.2	20.9	23.1	25.1	26.3	27.5	27.9	29.0	29.4	30.3	30.8	31.5	31.4	31.6	31.4	33.4	32.8	31.3	33.8	34.5	34.6
39	1	M	23.4	25.2	26.5	28.1	29.3	30.9	31.2	32.7	33.0	33.8	34.9	36.5	37.0	38.1	37.5	38.8	40.0	39.0	40.6	42.3	44.2
40	1	M	22.0	23.3	25.1	26.7	27.4	29.9	29.2	30.9	30.7	31.5	32.0	32.1	32.7	32.7	33.1	34.3	34.4	34.3	35.6	35.5	36.3

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

			TEST WEEK																				
ANIMAL NO.	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
41	1	M	19.9	21.4	23.2	25.0	25.7	27.2	27.9	28.9	28.9	29.4	30.3	32.0	31.7	31.9	32.3	33.4	33.8	33.0	35.1	35.2	36.1
42	1	M	19.8	21.8	23.7	25.5	26.4	27.1	27.6	28.8	29.7	29.8	31.5	31.6	31.5	32.0	31.6	31.5	32.3	32.0	32.6	33.8	33.7
43	1	M	20.5	21.8	23.4	24.5	25.3	26.7	26.9	28.0	28.3	28.8	29.5	31.0	31.5	32.0	32.5	32.8	33.5	33.1	34.1	38.0	35.4
44	1	M	21.9	23.4	24.9	26.4	27.0	28.6	28.9	30.1	31.4	32.7	33.4	33.3	34.3	34.6	34.7	34.4	35.3	35.4	36.4	37.5	37.4
45	1	M	19.0	20.7	22.8	24.5	25.4	27.5	28.4	29.2	29.8	30.0	30.8	32.0	32.4	32.5	33.1	33.1	33.2	33.2	33.9	34.8	35.2
46	1	M	20.8	24.0	26.0	27.0	28.0	29.0	28.9	30.7	31.2	32.0	31.4	32.7	33.9	33.6	32.3	33.8	34.9	33.9	34.6	35.4	35.4
47	1	M	20.2	22.0	23.8	24.9	26.0	27.3	26.5	28.5	29.5	28.9	29.6	29.8	30.8	30.8	29.7	31.1	32.1	31.7	33.9	33.7	34.9
48	1	M	18.5	20.0	21.3	22.3	23.3	24.8	25.2	26.8	27.8	28.3	28.8	29.2	29.4	29.5	30.1	31.2	32.7	31.5	33.1	33.0	33.5
49	1	M	17.3	18.4	19.3	20.7	21.3	22.8	22.8	24.2	24.8	25.8	26.1	26.4	26.8	27.8	27.7	27.6	29.5	28.2	29.1	30.1	29.3
50	1	M	22.1	24.7	26.0	27.4	27.9	28.9	28.6	31.5	31.9	32.6	32.0	33.6	31.6	34.1	33.6	35.9	36.1	36.1	36.4	37.7	37.6
51	1	M	21.5	22.6	24.5	26.5	27.2	29.5	29.7	31.4	30.5	31.2	30.9	31.9	32.6	32.3	32.0	32.8	32.5	33.5	35.0	34.6	35.3
52	1	M	21.2	22.9	24.3	26.0	26.6	29.0	29.4	31.5	31.0	31.6	31.9	32.3	33.1	33.5	32.6	33.4	33.8	34.1	34.6	35.0	36.8
53	1	M	18.6	20.5	22.8	24.6	25.8	27.7	28.2	30.7	31.5	31.3	31.1	31.7	32.7	33.3	32.8	33.1	33.1	33.6	33.8	34.4	35.7
54	1	M	19.9	21.8	23.2	24.5	25.5	26.9	27.4	28.8	28.5	29.4	29.8	30.1	30.5	31.1	30.6	32.2	32.0	32.9	32.8	33.9	35.3
55	1	M	20.7	23.4	24.9	26.7	27.3	29.9	30.3	31.3	30.6	31.4	31.5	32.2	32.5	33.7	33.2	33.7	33.4	33.7	34.9	35.6	35.4
56	1	M	21.2	23.4	25.0	26.2	26.6	28.8	29.1	30.4	30.3	30.6	30.7	31.2	31.3	33.0	32.6	31.5	33.0	32.5	34.0	34.3	33.7
57	1	M	23.0	24.6	25.7	26.9	27.7	29.7	29.4	30.8	30.8	31.1	31.4	32.5	33.5	33.4	32.3	32.6	34.1	32.9	35.8	35.1	34.6
58	1	M	18.9	20.9	23.1	25.2	26.5	28.0	28.2	29.2	30.4	30.9	30.9	31.1	33.1	33.8	32.9	32.6	34.5	33.2	34.6	34.9	34.9
59	1	M	18.1	20.0	21.4	22.6	23.4	24.9	24.8	26.9	26.8	27.6	27.8	28.2	29.1	30.6	30.1	29.6	30.8	29.8	31.4	30.9	30.9
60	1	M	21.2	22.5	23.5	25.0	25.1	27.1	27.5	28.8	28.6	27.9	29.2	29.5	29.9	31.0	29.7	30.1	30.7	30.6	31.6	31.2	30.7
61	1	M	24.2	25.2	26.6	27.8	28.1	29.7	30.0	33.0	31.3	33.9	34.3	34.2	35.1	35.8	34.6	35.1	36.1	35.7	37.4	37.9	38.3
62	1	M	19.5	21.7	23.7	25.6	25.9	27.7	28.4	29.2	29.3	29.7	30.2	30.4	30.9	31.2	31.4	31.6	32.3	32.3	33.1	33.6	34.3
63	1	M	22.7	25.0	25.8	27.5	28.2	30.1	29.9	31.3	32.2	32.6	31.9	32.9	33.8	34.5	34.0	34.0	35.2	34.3	35.2	36.4	35.4
64	1	M	21.0	21.6	22.8	23.8	23.8	24.8	25.0	25.6	26.2	26.4	27.4	28.0	28.9	29.2	29.2	30.0	32.3	33.0	33.0	34.2	35.2
65	1	M	20.7	23.5	25.2	26.9	27.1	29.1	28.5	31.0	30.5	31.8	31.7	32.0	32.1	32.8	32.4	32.9	34.1	33.3	35.0	35.6	35.9
66	1	M	23.3	25.6	27.3	28.2	29.3	30.4	30.3	32.2	32.5	32.8	33.4	34.0	34.8	35.8	35.7	35.5	36.2	36.6	38.1	39.0	39.2
67	1	M	21.2	23.4	25.8	26.8	28.3	28.8	29.2	30.6	31.7	31.8	32.0	32.5	33.4	34.1	34.1	33.8	34.3	35.0	35.2	36.1	36.0
68	1	M	23.2	25.1	27.4	28.6	29.8	31.3	31.5	33.4	34.4	35.9	37.3	38.2	39.3	40.9	41.3	40.4	42.1	43.4	43.1	45.2	45.7
69	1	M	21.0	23.1	24.7	25.3	26.3	26.9	27.3	28.2	28.7	29.6	30.4	30.8	31.8	32.0	31.6	32.8	33.3	33.1	34.3	36.4	37.3
70	1	M	24.8	26.3	27.4	28.0	29.0	30.7	30.6	31.8	32.5	33.1	33.4	33.9	35.2	35.7	35.2	35.5	37.1	38.8	39.6	40.0	41.8
71	1	M	21.6	23.7	25.5	26.8	27.6	28.8	28.6	30.3	30.8	31.2	31.5	31.4	32.2	32.9	32.7	32.7	32.1	33.8	33.3	34.7	34.4
72	1	M	21.0	23.4	25.3	26.8	27.9	28.6	28.9	30.5	31.1	31.7	31.8	32.1	32.4	33.2	33.1	32.6	33.6	33.1	33.2	33.9	33.2
73	1	M	22.2	24.3	26.1	27.2	28.5	29.0	30.5	32.2	32.6	33.0	33.7	33.9	34.3	34.[illegible]	34.1	33.5	34.5	35.7	37.2	37.6	36.8
74	1	M	19.3	20.6	22.3	23.3	24.5	25.8	26.6	28.1	28.5	28.9	28.8	29.5	30.0	30.4	29.8	31.0	31.1	31.8	32.1	33.0	32.2
75	1	M	21.0	24.0	25.9	26.9	27.6	28.6	28.9	30.1	30.1	29.5	30.0	30.2	30.9	31.9	31.6	31.4	31.9	32.7	32.2	33.6	33.0
76	1	F	17.2	18.5	19.9	19.8	20.2	21.3	21.5	22.7	22.9	23.2	23.2	23.7	24.9	25.3	24.2	25.4	25.4	27.1	26.1	26.7	26.2
77	1	F	18.0	19.7	20.8	21.8	22.3	23.0	24.2	24.8	25.2	26.2	28.3	26.9	27.7	28.3	28.4	30.0	29.4	30.1	31.6	31.4	31.3
78	1	F	16.3	17.6	18.4	19.7	20.2	21.0	22.4	22.3	24.5	23.0	24.0	24.9	24.9	25.3	26.7	26.4	26.7	30.1	29.6	29.6	29.5
79	1	F	14.8	15.0	15.7	16.4	17.2	18.5	18.9	19.7	19.7	20.6	19.8	20.2	21.1	21.1	20.6	21.8	22.1	22.6	23.1	23.1	23.0
80	1	F	17.1	17.3	18.8	20.1	20.6	21.1	21.7	23.3	22.3	23.4	24.3	24.9	25.5	26.9	26.9	28.2	29.1	29.3	30.9	29.7	32.1

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
			TEST WEEK																				
81	1	F	17.6	18.3	20.2	20.2	20.7	20.7	22.1	22.9	22.8	23.8	25.5	25.4	26.0	27.6	26.2	26.2	26.9	28.5	29.7	29.4	31.3
82	1	F	17.8	18.3	19.4	19.8	21.0	21.6	22.7	23.7	23.2	24.1	24.7	24.7	25.3	25.9	26.2	27.1	26.7	27.7	27.6	28.0	28.5
83	1	F	15.6	18.3	19.1	20.7	20.0	22.1	21.9	21.7	22.1	23.2	23.7	24.6	26.6	25.1	25.0	25.2	25.8	26.8	28.0	26.2	29.3
84	1	F	16.8	17.1	17.9	19.8	20.0	21.7	21.1	21.3	23.3	24.9	22.9	23.0	24.0	24.6	24.4	24.8	27.9	26.8	26.7	29.2	26.7
85	1	F	17.2	18.2	18.6	19.2	20.6	21.4	21.4	21.7	23.2	23.8	23.5	23.5	24.1	24.1	24.9	25.3	26.8	27.4	26.8	29.0	28.6
86	1	F	18.1	19.4	21.0	21.4	22.0	22.9	23.0	23.8	26.5	25.5	25.0	25.7	26.5	27.0	26.8	30.6	29.2	29.6	30.8	34.5	32.0
87	1	F	17.1	17.1	18.8	18.5	19.4	19.5	19.6	20.8	20.8	20.7	21.1	22.8	23.1	23.3	23.0	22.9	23.8	24.4	25.2	25.8	24.6
88	1	F	18.9	20.4	21.2	21.5	22.5	24.9	23.6	24.4	26.1	26.3	26.0	28.6	26.5	27.1	29.8	28.1	30.7	29.8	30.0	30.6	33.1
89	1	F	17.4	18.4	19.7	21.7	21.5	21.5	21.6	23.0	23.4	23.9	23.8	25.3	25.4	25.3	24.8	25.9	28.1	27.2	26.8	29.0	28.7
90	1	F	14.4	16.2	16.6	17.5	17.8	18.7	18.5	19.4	20.7	20.4	19.7	20.8	20.7	20.7	20.8	21.1	21.9	21.6	23.9	22.4	22.9
91	1	F	18.0	18.4	19.6	20.7	21.1	21.5	22.7	23.2	23.2	23.9	25.0	24.8	24.5	25.3	26.2	26.5	28.6	28.9	30.2	30.6	30.8
92	1	F	14.3	17.1	18.0	19.0	19.1	20.7	20.4	21.1	21.2	21.6	22.4	22.0	22.0	23.0	22.4	24.3	23.7	26.0	25.3	25.3	25.6
93	1	F	16.6	18.2	19.8	20.2	20.7	21.7	22.6	22.4	22.5	23.2	23.5	23.6	23.7	25.9	24.0	24.8	26.4	26.2	25.5	25.8	26.9
94	1	F	17.2	18.0	18.8	20.2	20.7	21.0	21.5	22.5	23.6	23.6	23.5	24.1	25.5	26.5	26.1	28.5	30.3	31.2	32.2	31.7	31.6
95	1	F	16.5	17.2	18.8	20.1	20.3	20.7	21.2	22.4	22.6	21.9	22.2	23.2	23.6	23.4	23.1	25.6	24.7	25.2	25.6	24.8	25.8
96	1	F	18.5	18.9	20.3	22.3	22.4	23.1	23.3	24.6	25.0	26.4	26.4	26.4	28.5	27.3	27.0	29.1	29.3	29.5	31.5	32.4	35.5
97	1	F	18.6	20.7	21.0	21.7	22.7	23.6	22.8	25.8	23.8	24.8	26.7	25.7	27.4	25.9	27.8	27.3	29.6	28.8	28.7	30.9	33.1
98	1	F	16.1	18.2	19.7	20.7	21.5	22.0	23.7	23.3	23.2	24.5	25.5	27.2	25.1	25.3	26.9	26.6	26.9	27.1	28.0	30.4	31.6
99	1	F	19.3	20.2	20.6	21.3	22.4	24.3	23.6	24.2	25.8	25.7	26.0	26.1	27.4	29.5	27.6	28.8	30.2	32.2	32.1	34.7	33.9
100	1	F	18.3	19.3	20.8	20.8	21.0	22.6	23.2	24.1	25.0	26.3	26.1	28.0	27.1	29.3	26.8	31.4	29.8	31.9	30.2	32.6	35.2
101	1	F	17.2	18.5	19.0	20.4	20.7	21.6	22.4	23.2	23.1	23.9	26.0	24.4	26.6	27.9	28.7	26.3	28.9	29.1	31.5	29.7	32.8
102	1	F	14.6	15.1	16.6	18.4	18.4	19.5	19.7	19.8	19.8	20.3	22.1	21.2	21.5	22.2	21.7	22.9	24.5	22.7	24.0	23.8	24.2
103	1	F	17.8	20.1	19.8	21.5	22.5	23.7	23.6	23.6	25.4	25.6	26.5	28.0	27.3	28.3	29.7	30.2	33.6	32.2	31.0	32.9	33.5
104	1	F	18.1	20.7	20.7	21.8	23.5	23.6	23.4	23.7	25.0	25.7	25.3	28.5	26.7	27.9	26.8	31.0	28.5	27.3	27.8	30.7	30.7
105	1	F	16.3	18.6	19.0	19.8	20.7	21.6	22.3	22.4	23.5	23.2	23.4	23.6	23.4	24.1	24.3	26.4	25.5	26.4	26.2	29.0	29.2
106	1	F	14.6	15.7	16.6	18.8	19.9	20.3	20.8	21.1	21.6	22.1	21.6	23.0	21.5	22.3	22.9	23.0	24.1	23.7	24.5	24.5	26.1
107	1	F	15.3	16.5	17.7	18.7	19.4	20.8	22.0	21.4	21.7	23.6	22.7	24.4	24.1	24.4	25.9	25.6	26.4	26.0	27.6	30.5	30.7
108	1	F	16.1	17.6	17.9	18.5	19.2	20.7	20.9	20.7	21.4	22.4	23.6	23.3	23.1	24.0	23.6	24.3	25.4	25.2	26.1	26.3	27.4
109	1	F	19.0	20.0	21.0	22.7	22.8	24.8	24.8	24.2	25.7	27.1	26.0	25.7	29.3	27.4	27.1	29.7	30.4	35.0	34.8	35.0	35.5
110	1	F	17.9	18.8	19.2	20.6	21.5	22.1	23.2	22.4	23.4	26.0	24.1	25.2	27.7	24.9	27.4	26.8	27.6	29.8	28.6	29.7	32.6
111	1	F	16.2	18.6	20.0	21.4	21.8	22.1	22.8	24.3	23.3	24.6	24.7	25.1	26.6	24.8	25.5	26.5	28.3	27.9	27.7	29.9	29.4
112	1	F	14.2	16.7	17.8	17.6	18.6	19.8	19.9	19.8	20.4	21.9	21.7	22.1	22.0	23.0	24.0	24.1	24.6	24.9	25.8	25.9	27.8
113	1	F	16.9	18.6	19.9	20.4	20.6	21.3	22.4	22.7	24.0	22.8	23.2	24.8	25.2	25.6	24.6	26.3	27.0	26.9	27.1	28.3	28.8
114	1	F	16.3	18.1	18.2	19.8	20.0	21.2	21.6	21.5	23.0	23.7	22.6	24.2	24.6	23.8	25.2	24.9	25.4	24.4	26.3	26.5	26.2
115	1	F	17.6	19.0	18.6	19.5	21.5	22.2	21.1	21.6	23.2	23.9	24.2	26.4	24.7	24.8	25.8	27.5	28.6	28.1	29.5	27.5	30.8
116	1	F	17.6	19.8	20.1	20.5	20.4	22.0	21.7	22.7	23.3	23.1	24.6	23.2	24.4	24.6	25.8	25.2	26.8	26.0	27.0	28.6	27.3
117	1	F	16.1	16.9	18.8	19.6	19.4	20.[illegible]	21.8	22.0	22.4	22.7	23.4	24.1	23.8	24.7	26.0	26.1	27.3	29.4	28.4	29.5	30.2
118	1	F	16.2	18.2	19.0	20.3	19.5	20.6	22.2	22.1	21.8	21.9	23.0	23.3	24.7	24.1	24.5	23.6	25.5	26.5	24.8	26.0	28.1
119	1	F	17.7	18.7	20.2	21.3	20.3	21.8	23.3	23.0	23.8	24.0	23.9	27.0	24.3	27.4	25.0	25.7	25.9	27.8	27.0	30.9	28.3
120	1	F	13.6	1[illegible].0	16.8	18.3	18.0	19.5	19.7	19.6	20.9	20.7	22.2	23.1	21.8	22.8	22.9	23.9	24.1	25.3	24.6	25.3	25.0

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
121	1	F	14.9	16.9	18.2	19.5	21.1	21.3	21.6	22.1	23.6	24.1	24.2	24.5	24.9	25.1	25.4	25.7	26.5	27.0	27.1	27.5	30.7
122	1	F	18.4	19.2	20.4	22.0	21.6	24.4	23.0	25.3	25.5	27.3	26.8	27.7	27.4	29.3	31.8	32.1	31.1	31.9	33.7	33.5	33.3
123	1	F	15.1	15.9	17.9	18.6	19.1	20.2	21.8	21.2	22.1	21.7	22.3	22.6	21.7	22.6	25.0	24.4	24.4	25.1	24.1	25.9	27.1
124	1	F	14.8	17.1	19.1	19.3	19.2	20.3	21.8	21.7	22.1	23.4	24.0	24.9	23.8	23.9	25.6	24.1	25.6	28.0	27.6	27.7	27.0
125	1	F	15.6	16.8	18.3	18.5	18.8	19.7	20.6	21.0	21.1	21.6	21.8	23.9	21.7	23.2	22.8	23.0	23.3	24.3	25.6	28.3	26.2
126	1	F	15.7	17.8	18.9	19.5	20.9	21.3	22.1	22.8	22.3	23.4	23.7	24.0	25.1	25.8	26.4	25.5	26.4	27.6	27.0	28.2	27.6
127	1	F	15.1	16.8	17.9	19.5	19.6	20.0	20.5	22.1	21.9	22.1	22.0	22.3	23.2	22.6	23.1	22.6	25.6	25.0	24.4	26.3	25.4
128	1	F	17.1	19.2	20.4	20.7	20.5	21.8	22.8	24.0	23.3	24.5	26.0	25.4	25.7	27.0	26.6	25.7	29.3	29.2	30.9	30.2	31.3
129	1	F	16.4	17.1	18.2	19.8	20.9	21.7	21.8	22.3	24.0	25.2	24.5	25.5	25.9	26.1	27.3	26.8	28.5	30.0	29.6	31.5	32.4
130	1	F	15.2	16.2	17.3	18.8	18.9	20.1	19.9	20.6	21.4	21.9	22.8	22.4	23.0	22.9	23.0	23.0	24.5	24.3	25.3	24.9	25.6
131	1	F	15.7	17.0	18.5	19.2	19.7	20.2	20.9	21.4	21.6	22.5	22.4	22.8	23.2	24.4	23.3	24.1	25.3	24.8	25.2	26.3	25.1
132	1	F	17.7	18.0	20.1	21.5	22.5	21.9	22.5	23.9	23.2	24.6	24.3	25.4	25.1	26.2	25.4	26.2	26.8	27.4	28.3	29.1	32.0
133	1	F	16.4	18.8	20.2	20.5	21.0	22.0	22.7	23.2	24.4	24.1	25.2	25.7	25.2	26.6	27.0	27.4	27.9	29.7	30.6	29.9	32.0
134	1	F	16.9	18.0	20.0	19.6	20.7	21.7	21.4	23.7	22.4	24.0	24.1	24.6	25.6	25.0	25.5	26.6	26.9	28.2	29.7	28.8	28.6
135	1	F	14.7	16.0	16.3	17.6	18.6	19.4	20.1	20.2	21.2	22.4	22.2	22.4	22.3	23.5	22.4	23.8	24.0	25.5	25.4	27.2	27.0
136	1	F	15.4	17.3	18.7	19.8	21.1	21.4	21.2	22.0	23.4	23.8	23.0	24.5	26.3	24.2	26.5	25.2	26.8	26.2	27.4	29.8	28.5
137	1	F	16.0	17.5	18.3	19.0	19.4	21.0	20.8	21.8	22.3	23.5	23.3	22.7	22.9	23.3	23.9	24.9	25.5	25.9	25.5	26.8	26.5
138	1	F	16.7	17.8	18.9	20.6	20.1	20.4	21.1	21.5	21.6	22.3	23.6	22.8	22.6	24.8	23.9	23.7	24.2	24.6	25.4	25.1	25.2
139	1	F	16.8	18.2	19.8	20.2	22.2	21.8	21.6	22.6	24.6	23.6	24.6	24.4	24.5	24.8	27.8	26.1	26.8	27.0	30.5	29.8	29.7
140	1	F	16.2	16.9	18.1	19.5	19.6	21.3	21.9	21.1	21.8	23.0	24.7	23.7	24.1	24.0	24.4	24.7	25.1	27.6	25.7	26.6	26.7
141	1	F	18.2	20.4	20.6	22.3	23.8	22.7	22.8	24.0	23.2	24.2	24.3	26.8	24.9	26.0	26.1	25.2	26.1	26.2	26.3	30.1	27.3
142	1	F	16.2	17.1	18.9	20.4	20.8	21.0	21.2	23.0	23.3	23.3	23.3	24.9	25.1	24.9	24.5	25.8	25.8	28.3	28.0	28.3	29.3
143	1	F	16.4	19.4	21.3	21.4	22.5	22.6	23.3	24.3	25.9	24.2	25.8	26.6	28.2	28.5	29.7	30.8	29.7	31.5	31.7	34.3	35.3
144	1	F	15.1	16.5	17.9	19.3	19.8	20.2	20.6	21.9	22.1	22.4	22.9	23.5	23.3	24.6	24.0	24.0	26.6	26.4	26.0	27.6	26.2
145	1	F	15.7	17.9	19.6	20.0	20.5	21.2	21.8	22.3	22.0	23.5	24.1	23.7	24.8	25.2	25.3	27.3	27.8	28.4	29.6	30.7	31.8
146	1	F	16.3	18.5	20.6	21.0	21.6	21.7	22.9	22.9	23.5	24.0	23.6	25.3	24.0	24.6	25.3	25.1	24.8	27.5	27.0	29.9	27.7
147	1	F	17.1	17.9	19.5	21.2	21.4	21.4	21.8	22.5	23.0	25.3	24.6	23.8	24.2	24.9	25.3	25.6	27.3	30.2	27.5	29.4	30.8
148	1	F	18.0	19.5	21.4	21.7	21.8	22.8	23.5	23.8	24.1	25.1	24.8	25.9	25.3	25.6	26.0	26.8	24.2	22.2	22.1	22.5	---
149	1	F	15.8	18.2	19.3	20.2	20.9	20.4	21.3	22.6	22.4	22.8	23.3	24.1	24.4	24.6	25.7	24.9	25.8	25.9	27.9	28.3	28.0
150	1	F	16.6	18.3	19.1	19.7	20.9	21.4	21.4	22.3	24.0	23.4	23.8	25.1	25.8	25.4	24.9	25.6	27.8	28.6	29.2	30.2	30.2
151	2	M	19.4	20.7	22.3	23.3	24.5	25.8	27.0	27.8	28.4	29.2	29.2	30.0	30.4	30.4	30.8	31.3	31.7	33.0	31.9	33.3	32.4
152	2	M	20.1	20.9	22.4	23.8	25.3	25.9	26.8	27.6	28.1	29.3	28.6	29.0	30.0	30.5	31.1	31.6	31.2	33.3	32.0	34.3	33.9
153	2	M	23.4	24.8	27.1	27.9	30.5	30.9	31.2	32.0	33.0	33.8	33.6	34.4	35.7	35.5	35.8	37.6	38.3	39.0	39.3	43.0	42.9
154	2	M	19.4	20.3	22.4	23.4	24.9	25.7	26.5	27.2	27.8	29.4	29.2	29.4	30.0	29.8	30.0	30.8	31.2	32.9	33.1	33.6	33.7
155	2	M	25.0	26.8	28.6	28.4	30.5	31.6	32.0	33.1	33.4	35.1	34.5	36.2	35.9	36.3	36.5	37.4	37.9	38.5	38.8	40.5	39.2
156	2	M	24.4	24.9	26.8	27.9	28.6	29.3	29.9	31.2	31.9	32.4	32.5	32.7	33.5	35.4	33.8	34.4	35.1	36.4	36.3	36.4	36.6
157	2	M	20.0	20.7	22.9	23.4	24.1	25.3	26.3	26.8	27.8	28.3	28.8	29.8	30.3	30.7	30.9	32.3	33.0	33.5	33.6	35.1	34.6
158	2	M	21.5	23.1	24.4	25.6	26.5	28.0	28.4	29.2	30.1	30.3	31.1	32.0	32.7	34.2	32.8	35.2	36.0	36.6	37.2	38.4	38.4
159	2	M	23.8	25.5	27.1	28.6	29.7	30.1	31.6	32.0	32.4	33.0	33.3	33.5	33.6	35.7	33.6	34.9	35.8	35.4	35.5	36.5	36.0
160	2	M	20.6	21.2	22.9	23.4	24.1	25.1	25.4	26.2	26.6	27.5	28.2	28.9	29.4	29.8	29.9	32.3	33.2	33.6	33.8	34.8	35.4

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
161	2	M	21.8	23.5	25.5	27.3	28.6	30.8	31.6	32.6	33.5	34.8	34.9	35.7	36.2	37.3	37.1	38.0	38.3	40.2	39.8	41.7	41.8
162	2	M	22.6	23.7	24.8	25.3	25.9	27.0	27.7	27.8	28.2	29.1	29.7	29.4	29.2	29.9	30.7	31.5	31.6	32.9	32.8	34.1	33.9
163	2	M	22.2	23.5	24.5	25.8	27.1	27.6	28.2	28.7	28.8	30.1	30.7	31.3	31.0	31.4	30.9	32.4	32.1	32.8	31.8	33.8	33.2
164	2	M	22.2	24.2	26.2	27.1	28.5	29.9	30.9	31.6	31.9	32.8	32.2	33.4	34.1	35.1	34.9	36.1	36.8	38.6	37.2	39.3	38.8
165	2	M	18.5	20.5	22.2	23.4	23.7	25.4	26.0	26.5	27.5	28.8	29.1	29.7	29.7	30.0	30.0	31.5	31.2	32.1	31.2	32.6	31.8
166	2	M	23.4	25.4	27.3	28.4	29.1	30.6	31.2	31.0	31.4	32.1	32.6	32.8	33.6	33.8	34.1	35.0	35.5	35.9	35.2	34.7	35.8
167	2	M	22.8	25.3	26.7	27.7	28.4	29.9	31.1	31.3	31.2	32.0	32.5	32.9	33.5	33.3	33.4	34.1	34.7	34.7	35.0	33.5	34.8
168	2	M	23.3	25.4	27.5	29.0	29.7	30.9	31.4	31.8	32.3	33.3	33.5	33.9	33.6	34.2	34.1	34.7	35.6	35.6	35.8	34.6	35.9
169	2	M	21.7	24.0	25.8	27.5	28.6	29.7	30.4	31.3	32.0	32.7	33.1	34.0	35.1	34.8	34.9	36.1	38.1	37.7	38.1	36.8	39.3
170	2	M	22.4	23.9	26.6	29.1	30.2	31.6	32.2	33.3	33.8	34.8	34.8	35.5	35.5	36.1	36.3	38.9	39.3	39.6	40.1	38.2	40.6
171	2	M	19.6	22.3	23.9	25.6	26.7	27.6	28.0	28.8	29.4	29.9	29.6	29.5	30.0	30.5	30.4	31.2	32.2	32.0	32.2	31.5	32.9
172	2	M	18.9	20.8	22.8	24.4	24.9	26.0	27.6	28.4	28.8	29.7	29.6	29.1	29.6	30.6	29.5	31.7	32.4	31.4	31.0	32.3	33.5
173	2	M	23.0	25.0	26.5	28.0	29.8	30.6	31.2	32.2	33.2	33.5	33.8	34.6	34.4	35.5	34.9	36.4	36.7	37.1	37.8	38.1	37.5
174	2	M	18.9	21.0	23.6	25.3	26.0	27.4	27.7	29.1	30.0	30.5	30.7	30.9	31.2	32.5	31.9	33.6	34.6	34.9	33.9	35.2	35.9
175	2	M	21.4	22.4	24.0	24.9	26.0	26.9	28.1	28.9	29.5	30.2	31.2	31.7	31.6	32.3	31.6	34.1	35.0	35.6	35.3	36.0	36.3
176	2	M	19.8	22.1	24.4	26.1	26.8	27.7	28.4	29.2	30.1	31.2	32.3	32.2	32.4	33.8	33.3	33.9	35.9	35.2	34.3	35.7	35.2
177	2	M	21.2	22.9	24.6	25.7	26.1	27.4	27.8	29.4	29.4	30.2	30.7	31.4	31.7	32.4	32.1	32.7	33.8	34.6	34.1	34.3	34.6
178	2	M	20.3	21.6	22.8	24.0	24.7	25.2	25.7	26.3	27.0	28.0	28.7	28.6	28.7	29.1	29.2	30.6	30.8	31.7	31.4	32.5	33.3
179	2	M	22.9	24.3	25.0	26.5	27.2	28.8	28.5	29.6	30.5	31.5	31.3	32.3	33.1	34.1	32.9	34.4	36.5	37.1	36.6	37.7	37.5
180	2	M	19.3	20.2	21.4	22.9	24.1	24.7	25.8	26.3	27.3	27.7	28.4	29.1	29.2	29.7	29.9	31.2	32.1	32.5	32.5	34.1	33.7
181	2	M	22.9	24.6	25.5	28.6	30.2	31.5	31.3	32.1	32.6	33.4	32.6	34.2	34.0	33.9	34.8	34.6	34.9	35.2	34.8	35.2	36.4
182	2	M	22.2	23.5	25.6	27.2	28.5	29.6	29.8	30.8	31.2	31.6	31.4	32.0	32.6	33.3	32.1	32.8	32.7	33.6	33.5	34.2	34.4
183	2	M	21.2	23.9	25.2	26.5	27.6	29.3	29.2	29.4	30.0	30.5	30.8	31.1	30.2	30.7	30.7	32.1	32.6	33.2	32.8	33.6	34.3
184	2	M	22.1	24.2	26.2	27.7	29.0	30.4	30.4	31.4	31.9	32.4	32.6	32.5	32.1	32.6	32.1	33.7	34.4	35.2	34.0	34.8	34.6
185	2	M	21.2	23.8	26.4	27.7	29.0	30.9	31.6	32.6	33.0	33.5	33.7	33.8	34.0	34.2	34.2	36.0	35.6	36.0	36.7	36.6	38.2
186	2	M	21.4	23.2	24.9	22.8	26.7	28.6	29.7	30.2	31.0	32.5	33.1	33.7	34.6	34.9	35.2	36.9	38.6	38.5	38.6	39.3	39.8
187	2	M	19.6	21.6	23.3	21.4	25.7	26.6	27.9	29.0	29.4	29.9	29.8	30.3	30.3	31.5	31.2	32.0	32.1	32.2	33.0	33.2	34.4
188	2	M	21.0	22.4	24.3	22.6	26.7	28.1	29.3	30.3	31.1	32.1	31.9	32.3	32.1	32.5	32.5	33.1	33.4	33.7	33.2	33.4	34.7
189	2	M	20.1	21.6	23.6	22.0	26.5	27.4	27.9	29.1	30.3	30.5	30.8	31.4	31.4	31.4	31.2	32.8	31.7	32.3	33.0	33.0	34.1
190	2	M	22.1	23.8	25.7	23.3	28.3	29.1	30.5	31.2	32.5	33.4	33.7	33.8	34.6	35.4	35.2	36.1	37.8	37.4	37.9	39.0	41.5
191	2	M	19.8	20.8	21.7	22.9	23.4	24.0	24.6	25.3	26.3	26.4	26.8	27.3	26.9	27.7	28.5	29.5	29.9	30.5	30.9	31.7	31.9
192	2	M	21.3	23.2	24.5	26.1	27.6	28.8	29.5	31.2	31.9	32.7	32.8	34.3	34.3	35.1	34.4	36.4	36.8	38.6	38.7	40.3	41.0
193	2	M	22.0	23.4	25.3	26.9	28.4	29.5	30.3	32.4	33.1	34.2	34.1	35.0	34.7	34.3	34.3	34.7	35.9	35.4	36.5	36.2	39.4
194	2	M	20.3	22.2	23.4	25.7	26.6	27.7	28.0	29.2	30.3	30.6	30.8	31.3	31.2	31.0	31.1	32.8	33.0	32.1	32.8	33.5	33.1
195	2	M	21.4	22.9	24.7	26.0	27.0	28.2	28.5	30.1	30.3	30.9	31.2	32.1	31.9	33.0	32.4	33.1	34.2	34.3	34.9	35.7	35.6
196	2	M	21.3	22.0	23.2	24.8	25.9	26.9	27.6	28.7	30.0	31.6	31.2	32.3	31.4	32.8	32.7	32.8	33.2	32.8	33.3	34.1	34.6
197	2	M	19.5	20.8	23.2	25.0	25.8	27.4	28.2	29.2	30.2	31.4	31.4	32.4	31.8	32.9	32.1	33.2	32.6	33.8	34.0	34.3	34.8
198	2	M	18.5	19.9	21.7	23.3	24.3	25.5	26.5	27.4	28.2	29.7	29.7	30.1	30.3	31.5	30.6	32.1	32.0	32.5	33.2	32.9	34.6
199	2	M	17.6	20.2	22.1	24.0	25.0	26.0	25.9	27.1	28.4	29.2	29.0	29.5	29.5	30.1	29.5	31.0	31.8	31.4	31.0	32.4	33.4
200	2	M	18.9	20.2	22.2	23.2	24.2	25.5	26.0	26.7	27.7	28.5	29.5	29.6	29.4	30.1	29.5	30.9	31.1	32.2	31.8	32.3	33.6

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
			TEST WEEK																				
201	2	M	20.1	21.5	22.6	24.4	26.0	26.9	27.5	29.0	29.7	29.8	30.7	31.1	32.3	32.7	32.3	33.4	33.8	35.3	35.3	37.1	37.9
202	2	M	21.9	22.9	24.5	25.8	27.3	28.9	29.8	30.5	31.1	31.4	32.9	33.4	34.3	34.3	33.8	35.5	36.6	37.0	38.3	39.0	40.2
203	2	M	20.0	21.5	22.9	24.8	26.0	27.4	28.8	29.9	31.0	30.6	33.0	32.8	32.9	34.2	33.4	33.8	34.3	34.2	36.0	37.5	37.8
204	2	M	22.1	22.9	24.4	25.6	26.8	27.8	28.8	31.0	31.7	31.4	32.7	33.6	33.6	34.7	34.2	35.5	36.2	36.4	37.3	36.9	37.3
205	2	M	18.4	19.9	21.0	22.9	24.7	26.2	26.8	27.8	28.6	28.8	29.4	30.7	31.5	31.4	30.9	31.9	33.1	32.8	32.6	35.2	35.4
206	2	M	19.7	22.6	24.7	26.5	27.8	29.3	28.9	30.5	31.4	31.7	32.4	33.6	34.2	35.2	34.6	35.3	37.0	36.8	38.2	39.4	39.3
207	2	M	20.6	22.2	24.0	25.4	25.8	27.3	27.6	28.6	29.6	30.0	29.6	29.8	30.6	30.7	30.9	31.2	31.9	31.8	32.1	33.7	33.9
208	2	M	20.6	23.4	25.4	27.0	28.2	29.8	31.0	31.7	32.9	33.5	34.1	34.0	35.0	36.3	35.2	37.2	37.2	38.2	39.1	40.4	40.1
209	2	M	19.8	20.9	22.6	24.8	25.8	27.2	27.5	28.3	28.7	29.3	30.0	29.9	31.0	31.5	31.0	32.1	34.1	34.7	36.0	37.4	37.4
210	2	M	22.1	24.2	26.2	28.2	29.9	31.4	31.4	32.2	32.9	31.0	31.8	32.9	34.4	34.7	34.2	35.0	35.9	35.7	36.6	37.2	36.5
211	2	M	21.9	23.8	25.9	26.4	27.4	29.1	29.1	30.2	31.4	31.9	31.7	32.2	32.7	34.8	34.3	35.5	34.7	34.5	36.6	37.2	36.7
212	2	M	17.2	18.8	20.6	22.2	23.2	24.2	24.8	25.9	26.4	27.6	28.0	29.0	29.1	29.6	28.5	28.2	29.6	29.6	30.1	30.5	31.1
213	2	M	16.9	19.0	20.9	21.9	22.7	24.4	25.4	26.7	27.2	28.1	28.3	28.4	28.4	29.0	28.5	29.2	30.5	29.6	30.1	31.3	31.3
214	2	M	17.8	19.1	21.2	20.6	22.8	23.9	24.5	25.7	26.1	26.5	26.6	27.2	27.2	27.9	27.6	28.3	29.5	29.1	29.5	30.1	30.2
215	2	M	16.8	18.1	19.8	20.9	21.6	22.3	23.1	24.1	25.0	25.8	25.8	26.2	26.4	27.0	27.0	28.1	28.5	29.2	30.1	31.6	31.9
216	2	M	18.5	20.0	21.7	22.8	24.1	24.9	25.0	25.8	26.8	26.8	27.3	28.6	28.0	28.6	28.3	29.4	29.3	30.5	30.9	31.9	31.8
217	2	M	19.5	20.9	22.1	22.2	23.1	24.3	24.3	25.0	26.5	27.3	27.4	27.8	28.6	28.8	28.4	29.1	29.1	30.0	30.1	30.7	31.1
218	2	M	22.7	25.0	27.0	27.9	29.0	30.8	30.2	30.3	32.0	33.4	33.2	34.5	34.6	35.1	34.0	34.7	35.2	35.6	36.2	37.3	37.4
219	2	M	21.9	24.3	26.1	26.9	27.9	28.6	28.4	29.0	30.3	31.6	31.3	32.3	32.6	32.7	32.3	34.7	34.4	35.5	35.9	36.6	37.8
220	2	M	20.4	22.3	24.6	26.4	27.8	28.8	29.3	30.5	31.7	33.1	32.9	33.9	34.0	35.0	33.7	36.4	36.4	37.2	38.2	38.9	39.3
221	2	M	21.8	22.6	24.2	25.8	26.4	27.2	27.9	28.3	28.5	29.2	29.0	29.7	29.7	30.4	29.7	30.3	30.3	30.9	30.1	31.7	30.8
222	2	M	19.3	21.2	24.7	25.4	26.6	27.9	28.6	29.5	29.6	30.1	29.5	30.3	30.8	31.6	30.7	31.2	31.1	32.7	33.8	34.6	34.2
223	2	M	22.3	24.3	25.8	27.9	28.4	30.1	29.2	30.4	30.4	31.5	31.0	31.8	33.0	32.8	31.5	32.6	32.7	33.7	35.0	35.9	35.6
224	2	M	24.5	24.9	25.9	27.6	27.7	29.2	30.3	31.3	32.6	33.3	33.6	33.7	34.3	35.7	35.5	36.4	38.9	38.9	40.6	41.3	41.4
225	2	M	24.2	26.2	28.3	29.3	31.1	31.6	31.3	32.4	33.2	34.3	34.3	35.5	35.4	36.5	36.4	36.9	37.6	40.2	40.0	41.8	42.2
226	2	F	19.1	18.9	20.1	21.3	21.8	22.1	22.4	24.6	25.5	25.3	25.7	27.8	28.0	29.0	28.5	28.5	27.9	29.3	31.0	32.0	33.1
227	2	F	17.2	18.5	19.4	19.5	21.2	20.8	21.2	22.6	22.3	22.3	23.6	23.6	23.4	24.2	25.4	24.1	27.0	24.8	27.9	28.1	27.6
228	2	F	16.4	17.8	18.9	20.4	20.5	20.8	21.3	22.4	22.8	23.1	22.8	23.9	23.8	23.8	23.8	25.1	26.2	26.6	26.8	28.6	29.2
229	2	F	17.8	18.5	19.2	20.0	21.4	21.5	22.6	22.0	22.4	23.8	24.7	23.5	24.3	25.6	25.3	25.2	26.0	26.4	26.4	28.0	27.1
230	2	F	20.2	19.9	20.8	21.5	22.6	23.2	22.7	23.3	24.5	25.7	25.5	25.4	26.6	29.1	26.6	29.7	28.0	29.1	29.5	29.9	31.3
231	2	F	16.8	18.5	19.5	20.1	21.5	21.2	22.2	23.4	23.8	25.3	24.2	26.9	26.9	28.5	25.4	27.3	30.0	28.5	27.8	30.5	33.2
232	2	F	18.5	17.2	19.4	20.3	21.6	21.9	22.1	22.7	23.7	24.1	24.0	23.9	24.5	25.5	24.5	26.9	27.0	26.8	27.8	28.4	28.9
233	2	F	17.3	18.5	18.7	20.1	20.1	20.4	21.1	22.1	22.9	25.0	23.3	24.1	24.4	25.0	24.4	25.6	26.1	26.6	27.3	29.1	28.4
234	2	F	15.8	15.9	17.6	19.9	19.9	20.6	21.7	22.4	22.1	22.2	22.4	23.2	23.3	23.7	23.3	24.3	24.5	25.8	24.6	25.1	26.1
235	2	F	18.6	18.3	19.3	19.9	21.3	21.7	21.8	22.5	23.2	23.5	23.1	23.2	23.8	24.9	24.7	24.7	25.3	26.8	26.7	26.4	28.6
236	2	F	17.8	18.5	19.4	19.7	20.9	21.9	22.1	22.3	23.1	24.1	24.2	24.4	24.2	24.8	25.0	25.4	26.7	26.1	28.3	30.1	29.1
237	2	F	14.6	16.3	17.8	18.6	18.8	19.4	20.7	20.8	21.8	23.1	22.6	22.8	23.3	23.4	23.0	24.1	25.2	25.2	25.4	26.8	27.6
238	2	F	18.9	20.1	19.9	20.6	21.8	22.3	22.0	22.4	23.5	23.8	24.3	24.4	26.2	26.1	25.7	28.1	28.7	28.6	29.2	32.8	30.7
239	2	F	19.0	20.6	21.2	21.7	21.9	23.9	24.5	23.7	24.0	25.2	27.0	26.2	27.0	28.9	31.1	30.1	29.5	30.7	32.8	32.3	32.9
240	2	F	16.7	17.4	18.0	19.4	20.1	20.3	20.9	21.7	22.0	22.6	22.8	24.5	24.5	24.9	24.5	25.3	26.3	26.5	28.2	29.4	31.9

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

ANIMAL NO.	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
241	2	F	15.4	17.1	17.9	18.4	19.4	20.8	21.4	21.5	22.1	21.9	23.6	22.9	23.5	23.3	23.2	24.5	25.2	25.4	25.5	26.7	26.4
242	2	F	18.3	18.5	20.3	21.5	22.2	22.2	23.0	23.7	25.4	24.7	25.6	26.2	27.1	26.7	---	---	---	---	---	---	---
243	2	F	18.0	18.9	19.0	19.7	20.6	20.9	21.4	22.2	23.6	24.2	23.4	24.3	25.1	25.0	24.6	26.1	26.2	26.8	27.8	28.8	28.0
244	2	F	16.3	17.1	17.4	18.2	18.4	18.7	19.6	20.4	20.4	20.5	21.0	22.5	22.2	21.7	22.3	22.7	22.8	23.4	23.0	25.0	23.9
245	2	F	17.2	19.0	20.2	20.5	21.2	22.5	23.6	24.1	23.6	24.5	26.1	28.8	26.1	29.8	27.6	29.4	29.1	33.0	32.4	34.3	36.2
246	2	F	16.1	17.9	19.4	20.0	20.1	21.4	22.3	22.5	21.9	22.8	22.6	22.3	22.7	23.8	24.2	24.8	27.3	27.5	26.3	26.4	27.6
247	2	F	16.8	19.5	20.4	21.6	22.0	22.4	22.6	24.2	23.5	24.3	25.1	25.6	26.6	26.9	27.2	27.2	28.6	28.8	31.5	29.2	31.7
248	2	F	17.9	19.8	21.1	21.7	23.2	22.8	24.4	23.9	23.9	25.3	25.0	28.5	26.7	27.4	29.5	27.1	30.8	28.9	31.9	30.7	31.3
249	2	F	15.9	17.2	20.2	20.5	20.9	21.6	23.0	23.0	23.7	25.6	26.4	25.6	26.3	27.4	27.0	28.7	30.2	30.1	29.5	32.9	31.5
250	2	F	16.8	17.7	19.6	19.7	20.0	21.0	20.8	21.8	22.4	23.0	23.5	23.9	24.2	24.4	25.9	25.8	27.1	27.9	26.8	26.8	29.5
251	2	F	15.4	16.7	17.6	18.4	18.7	19.7	20.7	21.0	20.8	23.4	22.0	22.3	23.4	23.9	23.4	23.4	24.1	24.4	26.9	26.2	26.4
252	2	F	16.0	17.2	17.7	19.2	20.4	20.5	20.7	21.8	22.8	22.9	22.8	22.9	23.1	24.8	24.7	24.5	26.4	25.1	26.4	28.7	26.3
253	2	F	19.1	20.1	20.2	21.7	22.2	24.2	23.3	24.1	26.3	28.7	26.9	27.3	29.4	31.4	28.7	34.1	33.1	31.7	32.5	32.6	35.4
254	2	F	17.1	18.0	19.1	20.2	20.5	21.2	21.6	22.1	23.9	22.9	24.7	23.8	24.8	25.7	25.3	25.7	28.4	27.6	29.0	28.4	31.8
255	2	F	15.7	17.3	17.9	19.1	19.9	19.9	20.3	21.4	21.8	22.0	23.1	24.0	23.1	23.7	23.5	26.3	25.7	25.7	26.7	26.6	27.4
256	2	F	15.1	16.6	17.3	18.7	19.3	19.9	20.9	21.9	22.2	21.9	23.1	23.8	24.4	24.6	24.5	24.7	26.8	26.4	29.7	29.0	30.9
257	2	F	14.5	15.1	16.2	17.2	17.1	18.8	19.3	19.3	19.5	20.5	21.0	21.0	20.6	21.7	21.2	21.7	23.3	22.7	23.4	23.6	24.2
258	2	F	15.5	17.9	19.4	20.0	20.3	21.1	22.8	22.1	23.0	24.2	24.3	24.4	24.8	24.9	26.6	26.3	28.0	27.5	29.3	28.4	28.9
259	2	F	15.6	16.3	17.8	19.2	19.3	19.6	20.1	21.4	21.3	21.6	22.0	22.3	22.4	23.9	22.8	23.5	24.9	24.6	27.2	26.4	26.7
260	2	F	16.2	17.3	18.4	18.7	19.3	21.1	21.2	21.0	21.2	22.1	22.9	22.7	22.6	23.2	23.6	23.5	24.6	25.2	26.7	25.6	26.5
261	2	F	16.2	18.1	19.5	20.2	20.6	20.8	21.9	22.0	21.9	22.7	23.8	24.2	23.6	24.6	23.9	24.4	24.8	26.8	25.1	26.9	26.4
262	2	F	14.5	16.2	17.7	18.4	19.5	20.0	21.2	21.6	22.4	22.7	22.9	25.3	23.1	25.2	25.8	26.0	27.9	26.9	29.3	29.8	31.2
263	2	F	15.7	16.8	16.9	18.5	19.9	20.6	20.0	21.0	21.7	21.9	21.9	23.0	22.9	25.3	23.3	25.7	25.4	26.6	26.7	28.1	29.9
264	2	F	16.8	18.0	18.6	19.5	20.8	21.0	21.1	22.2	22.7	22.9	22.9	24.1	24.4	25.1	26.5	24.3	25.6	27.5	29.3	28.2	31.1
265	2	F	16.6	18.8	19.1	19.9	21.8	21.7	22.0	23.3	22.8	23.4	25.5	24.0	24.8	27.8	25.9	29.3	27.2	29.5	28.6	29.5	34.2
266	2	F	15.2	16.2	17.7	19.6	19.3	21.1	21.9	21.2	22.0	22.5	24.1	22.9	23.2	23.2	22.9	24.1	26.2	24.8	24.7	25.9	25.6
267	2	F	17.9	17.5	19.5	21.0	20.8	21.2	22.1	23.1	23.4	25.0	23.8	25.1	26.3	25.2	24.7	26.5	26.4	26.7	29.6	28.7	29.9
268	2	F	17.6	16.7	18.1	20.5	21.2	22.0	21.0	21.9	24.1	23.4	23.7	25.2	24.0	24.5	26.1	26.5	27.4	27.4	30.2	29.4	32.8
269	2	F	16.0	16.3	19.0	20.1	20.6	20.9	21.9	21.8	22.7	24.8	23.2	23.7	24.0	23.8	23.6	24.4	25.8	24.2	24.8	25.1	25.2
270	2	F	16.3	16.7	17.9	18.8	20.0	20.6	21.5	21.9	22.8	22.7	24.1	24.1	24.5	24.1	26.0	25.8	25.5	26.4	27.9	30.5	28.5
271	2	F	16.9	18.1	19.9	19.9	20.2	20.9	21.8	22.3	22.4	24.7	25.3	24.6	24.7	25.9	24.6	26.0	25.5	27.8	26.8	29.7	29.4
272	2	F	16.7	17.4	18.6	19.7	19.9	20.1	21.8	21.2	22.1	24.3	24.2	23.4	25.4	26.0	24.6	28.0	29.0	27.8	31.0	28.8	30.6
273	2	F	14.2	16.3	17.0	17.6	18.5	19.7	20.7	20.6	21.8	22.8	22.0	22.2	23.4	22.9	22.9	23.2	24.4	24.5	24.3	26.1	27.4
274	2	F	17.7	18.0	18.7	19.9	19.9	20.9	22.2	22.3	22.6	25.7	23.8	24.2	26.0	27.2	27.3	23.4	21.5	26.4	25.7	26.9	28.1
275	2	F	14.8	15.7	17.6	17.7	18.5	18.5	19.4	20.6	19.7	20.9	20.5	21.3	20.8	21.4	21.2	22.7	22.6	23.6	22.6	23.0	24.8
276	2	F	17.5	19.0	19.6	20.7	21.5	22.0	22.6	23.4	23.7	24.3	24.5	25.0	24.9	25.1	24.8	24.8	26.4	25.6	26.4	28.3	29.2
277	2	F	17.8	19.7	19.9	20.3	22.5	23.4	24.1	26.6	25.0	25.4	27.6	28.3	28.7	28.6	30.3	30.6	34.7	34.9	31.9	35.4	35.5
278	2	F	17.1	18.2	18.7	20.0	20.3	21.4	21.9	21.8	22.1	24.0	25.7	23.5	25.3	25.5	23.9	25.9	25.5	27.3	26.4	27.5	28.1
279	2	F	16.9	19.4	20.2	20.2	21.2	22.8	23.0	22.8	24.2	25.0	25.4	26.8	27.5	27.7	28.4	28.1	29.6	31.3	31.7	30.1	30.9
280	2	F	18.5	18.6	19.6	21.2	21.1	21.6	23.8	22.6	23.7	25.4	26.3	27.1	26.5	27.0	26.9	28.4	29.3	30.4	33.4	32.6	32.2

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
			TEST WEEK																				
281	2	F	14.9	16.5	18.0	19.0	19.9	20.4	20.1	21.6	22.7	22.7	22.3	23.3	23.9	24.0	23.3	25.5	25.6	26.2	25.9	26.9	29.1
282	2	F	15.9	16.7	17.9	19.8	20.3	20.4	20.6	23.0	22.0	23.1	23.3	22.4	23.1	24.3	23.8	23.8	24.7	25.8	25.3	25.3	26.5
283	2	F	16.4	17.8	19.4	20.1	21.5	21.9	21.4	22.3	23.7	24.0	24.3	26.3	24.4	25.6	25.4	26.9	26.5	29.1	27.2	27.9	31.7
284	2	F	17.2	18.0	18.9	20.9	21.2	21.1	21.5	22.6	23.7	23.0	25.1	25.7	27.4	25.8	27.1	27.6	26.8	29.6	29.7	31.8	32.6
285	2	F	18.9	19.5	20.8	21.5	21.6	23.2	22.9	23.6	24.8	25.7	25.6	26.0	27.7	28.3	30.8	30.0	32.4	31.8	34.3	34.7	34.7
286	2	F	16.8	17.7	18.6	19.5	20.3	21.9	21.2	21.8	22.4	24.0	23.9	24.5	25.3	25.2	26.1	24.7	26.5	27.8	27.8	29.5	31.6
287	2	F	16.5	18.1	18.8	19.7	20.4	20.9	20.8	23.0	21.7	22.4	22.9	23.9	23.8	24.5	25.1	25.7	28.5	25.9	27.8	29.0	28.5
288	2	F	17.5	19.4	19.9	20.9	23.1	22.3	23.3	25.1	26.5	26.0	26.0	27.4	28.4	28.7	30.4	32.6	33.2	32.2	34.2	33.7	33.4
289	2	F	15.4	17.2	18.9	19.0	19.8	20.3	20.7	21.6	21.7	21.8	22.2	23.9	24.1	23.6	23.9	24.1	25.6	26.5	27.2	26.5	28.7
290	2	F	17.2	18.0	18.9	20.2	20.8	21.9	22.1	23.6	24.7	24.2	25.2	26.8	27.1	29.6	28.2	28.4	30.4	33.5	34.5	32.2	33.9
291	2	F	19.2	19.7	20.7	22.4	22.4	22.8	23.3	25.0	25.3	27.3	25.9	26.6	29.6	29.6	30.0	30.4	32.1	35.8	34.3	36.6	37.1
292	2	F	14.7	16.1	17.9	17.9	18.6	20.1	19.5	20.0	20.6	21.9	21.4	21.7	21.6	22.7	22.4	22.8	23.6	24.1	24.6	24.4	24.8
293	2	F	14.1	16.0	16.8	17.8	18.3	19.4	20.6	19.8	21.1	22.1	22.2	21.3	20.7	22.1	21.9	22.3	23.9	25.5	25.6	26.6	26.7
294	2	F	17.3	18.2	19.1	19.9	20.5	21.4	21.6	22.7	23.7	23.2	23.3	23.5	23.8	24.6	24.4	24.5	26.2	27.2	27.7	30.2	27.7
295	2	F	17.4	18.3	19.5	20.2	21.7	22.7	21.7	22.2	23.8	24.5	23.8	24.6	24.9	26.0	25.1	25.8	27.3	27.0	28.3	29.4	29.1
296	2	F	16.6	17.8	18.9	20.5	21.3	21.1	21.9	23.2	22.7	23.7	24.0	24.3	24.4	25.4	25.6	26.2	26.4	21.5	21.1	22.5	24.0
297	2	F	17.0	19.0	21.1	21.7	22.6	22.8	23.8	24.6	25.2	25.1	26.3	27.8	27.7	27.7	28.7	27.9	27.1	30.2	30.6	33.4	32.4
298	2	F	18.4	18.8	19.7	20.6	21.0	22.2	21.3	22.8	23.6	23.8	24.1	24.8	25.2	27.3	25.0	28.3	27.3	27.6	28.2	31.1	29.6
299	2	F	15.1	17.5	19.6	20.4	20.8	21.7	21.3	22.7	23.6	23.9	24.7	26.5	25.1	26.2	25.6	26.0	25.7	27.5	27.2	29.8	32.2
300	2	F	16.6	18.0	18.9	19.4	21.4	21.1	20.5	20.8	22.7	22.9	23.0	23.4	25.1	25.7	26.9	25.5	27.6	26.5	27.6	28.1	28.4
301	3	M	21.0	22.4	23.0	24.0	25.5	27.2	28.6	29.5	30.5	31.9	32.7	32.2	34.1	35.4	35.2	36.5	36.9	39.0	38.8	40.2	40.3
302	3	M	18.8	20.4	20.2	21.8	22.2	23.0	23.3	24.2	24.2	24.5	24.6	23.3	25.0	25.6	25.9	26.6	26.6	27.4	26.8	27.6	27.7
303	3	M	19.8	21.8	22.4	24.6	26.2	28.5	29.6	30.5	30.6	31.6	31.7	30.8	31.8	33.6	32.8	33.5	33.5	34.8	34.6	35.5	35.4
304	3	M	23.8	26.4	26.7	29.1	30.5	31.5	31.8	32.9	34.3	35.0	34.7	34.0	35.6	37.5	37.5	39.0	39.3	40.9	40.6	42.1	41.6
305	3	M	22.9	25.7	25.4	27.9	29.2	30.6	31.5	32.7	33.1	33.6	33.7	33.0	34.6	35.2	35.7	36.3	35.9	36.9	37.3	38.2	38.5
306	3	M	22.6	25.0	26.6	27.6	28.8	30.5	31.7	32.8	33.8	33.9	33.4	33.6	33.7	34.7	35.4	35.0	35.8	37.2	37.4	36.2	38.9
307	3	M	20.6	21.2	22.0	23.7	24.7	26.3	27.5	28.7	29.9	30.9	31.1	31.4	32.0	32.7	31.7	33.0	34.2	33.8	34.4	34.1	35.8
308	3	M	20.1	22.0	23.4	25.3	26.9	27.8	28.8	30.4	31.6	31.7	31.4	32.0	32.4	33.9	33.7	34.6	35.6	35.7	34.8	34.8	35.7
309	3	M	22.8	25.9	25.7	27.9	29.7	31.1	32.0	33.7	34.4	34.6	34.3	36.8	36.6	38.3	35.9	37.5	37.6	37.7	37.5	37.2	38.8
310	3	M	21.8	23.4	23.9	25.9	27.5	28.4	29.4	30.4	31.5	31.5	30.1	32.2	32.8	33.9	33.3	33.8	34.3	34.6	33.8	33.7	35.1
311	3	M	21.9	22.8	24.6	25.5	26.3	27.5	28.2	29.2	30.0	30.8	31.8	32.8	33.1	33.5	34.5	36.4	36.2	36.5	37.8	38.3	39.5
312	3	M	20.7	22.4	23.7	25.4	26.4	28.1	28.6	29.8	30.5	31.2	31.4	32.4	32.2	33.2	32.7	33.9	35.4	35.5	35.8	36.7	38.4
313	3	M	18.8	20.8	22.4	24.4	24.9	26.2	26.8	27.2	28.6	28.9	29.3	29.1	29.1	29.9	29.8	31.4	30.9	31.6	31.9	32.8	32.7
314	3	M	18.8	21.8	23.4	25.4	26.2	26.9	27.5	29.3	30.1	30.6	30.9	30.9	31.6	31.6	31.7	33.4	33.9	33.6	34.3	34.9	35.4
315	3	M	23.1	24.8	26.2	27.4	28.3	29.4	29.5	31.1	32.0	32.2	32.7	32.9	33.0	33.5	33.4	34.3	34.7	34.3	34.0	35.3	35.6
316	3	M	18.1	20.2	22.0	23.2	24.0	25.2	26.2	27.2	26.8	27.3	27.6	27.8	28.0	28.5	27.7	29.2	28.9	29.4	29.5	30.4	30.2
317	3	M	17.6	19.2	20.4	21.8	22.5	22.9	23.2	23.5	23.9	24.3	24.5	24.8	24.9	25.4	25.3	26.3	26.7	26.4	26.5	26.7	27.1
318	3	M	21.2	22.6	24.6	26.4	27.3	28.8	29.4	30.1	31.1	31.4	31.6	32.3	32.9	33.5	32.0	34.2	33.8	35.0	35.1	35.8	36.0
319	3	M	22.5	23.6	24.9	26.2	26.5	28.4	28.8	29.8	30.9	31.1	31.6	32.4	32.4	32.7	31.7	34.2	35.0	36.0	36.6	37.5	38.4
320	3	M	22.2	23.7	24.8	26.2	27.2	29.0	29.6	30.6	31.1	31.1	31.4	32.2	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
			TEST WEEK																				
321	3	M	23.6	25.8	27.1	28.7	29.1	30.8	30.8	31.7	32.4	33.2	33.3	33.5	33.1	34.4	33.2	35.3	35.6	35.3	35.3	36.9	37.6
322	3	M	20.3	22.5	24.6	26.1	27.0	28.5	29.3	30.4	30.9	31.9	32.9	33.7	33.9	34.8	34.4	35.7	36.5	38.5	37.9	38.8	39.5
323	3	M	23.0	26.2	27.6	28.0	29.6	31.6	31.4	33.2	33.3	33.4	33.7	34.6	34.6	35.2	34.5	35.8	35.8	35.9	35.3	36.5	36.3
324	3	M	18.2	20.5	22.2	24.1	25.1	25.9	26.8	27.9	28.7	29.1	29.0	29.1	29.7	30.9	30.3	31.9	30.7	32.2	31.4	33.0	32.8
325	3	M	21.8	24.3	25.3	27.2	27.7	29.6	29.4	31.6	30.6	31.3	31.2	31.7	31.2	31.9	32.1	32.0	32.5	32.1	32.2	33.0	33.2
326	3	M	23.6	25.4	26.3	27.8	28.3	30.4	30.5	31.6	32.4	33.2	33.5	33.2	33.5	34.5	33.5	34.1	33.7	35.7	36.4	35.7	35.8
327	3	M	19.5	21.1	22.5	24.2	25.1	26.9	28.0	28.6	29.4	29.8	29.2	29.7	29.8	30.8	30.7	31.1	32.7	31.3	33.0	34.3	33.4
328	3	M	20.6	23.1	24.1	26.0	26.6	27.8	28.9	29.6	29.7	30.5	30.6	31.0	30.6	31.6	31.3	31.9	34.2	33.4	33.5	33.3	33.8
329	3	M	22.9	25.1	27.1	28.0	29.0	30.7	31.8	32.3	33.1	33.9	33.9	34.1	33.6	35.1	35.1	33.8	36.0	35.8	36.9	37.6	36.8
330	3	M	22.9	25.2	26.6	28.2	28.9	30.0	30.6	31.6	31.4	32.4	32.7	33.2	32.8	34.2	33.9	33.5	35.5	34.4	34.1	34.3	34.8
331	3	M	20.8	23.0	24.9	26.1	27.2	28.4	29.1	30.4	31.3	32.2	31.4	32.3	33.2	32.7	33.3	35.2	36.5	34.9	37.6	37.7	37.4
332	3	M	20.3	21.8	23.4	23.9	24.2	25.1	25.3	26.4	26.7	27.0	27.2	27.8	28.3	29.3	29.3	29.8	30.6	31.3	31.8	33.0	33.0
333	3	M	21.6	22.9	25.1	26.3	27.4	28.5	30.0	30.4	31.4	32.1	31.9	32.5	33.9	33.1	33.3	34.6	35.2	35.4	36.8	37.5	38.4
334	3	M	18.9	20.5	22.5	23.7	24.8	26.6	27.4	28.8	29.4	29.5	29.7	30.6	31.1	31.2	31.4	30.8	31.7	32.6	32.7	33.5	33.7
335	3	M	20.1	22.5	24.6	26.6	27.3	28.4	29.4	31.0	31.6	31.8	31.5	32.6	33.5	33.1	34.0	33.1	34.4	32.9	35.2	35.3	35.7
336	3	M	20.3	22.6	24.2	25.5	26.3	27.5	28.1	29.2	29.3	29.2	29.5	30.2	31.2	31.4	30.4	31.5	31.1	31.4	31.6	32.0	32.4
337	3	M	19.1	20.6	22.5	23.8	24.6	26.4	27.5	28.8	29.0	29.9	30.8	31.6	30.7	31.9	31.8	32.7	34.2	34.9	34.8	36.2	35.9
338	3	M	21.7	24.0	25.6	27.5	28.3	29.3	30.2	30.8	31.6	33.4	34.0	33.4	33.5	35.1	34.8	36.6	35.6	37.8	35.9	36.0	37.4
339	3	M	24.3	25.6	27.3	29.2	30.3	32.6	32.7	33.8	34.2	34.9	35.0	35.6	36.2	36.8	36.7	38.0	39.6	41.6	43.3	44.2	45.6
340	3	M	24.1	25.2	26.7	28.0	28.7	30.5	31.0	32.8	32.8	33.0	34.0	34.1	34.2	35.9	34.9	36.8	38.2	39.3	40.8	42.0	43.1
341	3	M	17.2	19.7	21.6	23.6	23.9	25.1	26.2	27.1	27.1	27.6	27.6	27.8	27.8	28.2	27.8	29.2	29.3	28.6	29.1	30.6	29.7
342	3	M	22.9	24.1	25.8	26.8	27.9	29.4	29.5	30.9	31.3	32.9	33.1	32.6	33.6	34.5	33.2	34.7	34.6	34.7	36.1	36.9	36.4
343	3	M	18.2	20.6	22.7	24.7	25.6	27.0	27.0	28.1	29.1	29.6	29.2	29.2	30.0	30.9	29.3	29.7	31.0	29.9	30.8	32.3	31.5
344	3	M	21.9	23.9	25.6	27.3	27.9	28.9	29.0	30.0	30.5	31.6	32.6	32.5	33.3	33.9	32.9	35.0	35.7	35.4	36.3	37.7	37.4
345	3	M	18.3	19.9	21.6	22.1	23.6	24.8	24.8	26.3	27.1	27.3	27.7	27.8	28.1	28.4	28.4	29.5	30.2	30.9	31.4	32.8	33.2
346	3	M	21.8	23.8	25.5	26.5	27.2	28.3	28.6	29.9	30.7	31.5	31.0	31.5	31.5	32.1	32.1	32.7	32.7	33.0	33.5	34.2	32.6
347	3	M	23.6	25.1	24.4	26.0	27.9	28.6	28.9	30.8	31.8	32.4	32.5	33.5	34.3	35.3	34.7	36.8	37.0	38.7	39.7	40.8	40.9
348	3	M	22.6	24.8	24.7	26.2	27.8	29.0	29.7	31.7	32.1	32.4	33.0	33.8	34.4	34.9	34.7	35.3	36.4	37.2	39.0	39.9	40.3
349	3	M	21.3	23.4	25.6	26.3	27.4	28.5	28.7	29.9	30.0	30.8	30.9	31.4	31.7	32.5	31.2	32.4	32.8	33.2	34.1	35.6	35.3
350	3	M	17.4	19.0	21.0	21.6	22.9	24.0	25.2	26.2	27.2	26.9	27.2	28.1	28.0	28.9	28.1	29.5	30.1	30.0	30.1	31.4	29.8
351	3	M	18.9	20.5	21.2	22.6	23.5	24.4	24.7	25.8	26.3	26.6	26.4	26.8	26.5	27.5	27.4	27.5	27.5	28.2	28.1	29.2	29.2
352	3	M	20.2	22.6	23.8	26.1	26.9	28.0	28.5	29.9	30.6	30.3	30.3	31.0	31.5	32.1	31.4	31.2	31.9	32.5	33.0	33.7	32.5
353	3	M	22.8	24.9	26.3	28.1	29.3	30.6	31.3	32.2	32.9	32.9	33.0	33.7	34.1	35.1	34.7	34.0	35.6	35.2	34.9	36.9	36.0
354	3	M	24.1	25.9	27.0	28.4	29.7	31.3	31.8	33.3	34.3	34.4	35.1	34.8	35.0	36.7	36.8	38.1	39.2	39.4	40.4	41.7	42.9
355	3	M	21.5	22.5	23.9	24.9	26.5	26.9	27.6	28.9	29.6	30.0	30.5	31.2	30.9	32.4	31.8	32.1	32.7	34.0	34.2	34.6	33.8
356	3	M	21.1	22.6	24.6	25.9	27.1	27.7	28.8	30.3	30.6	30.7	31.0	31.7	32.2	32.8	32.7	32.4	33.4	33.2	33.2	35.4	35.9
357	3	M	22.9	25.1	27.0	27.6	28.4	29.6	30.5	31.8	32.2	32.4	32.4	33.4	33.7	34.0	33.0	33.8	34.5	35.1	34.7	36.2	35.0
358	3	M	19.8	22.4	25.0	25.5	26.6	27.8	29.0	30.2	30.2	30.3	30.6	31.4	31.9	33.1	32.5	32.0	32.2	32.9	33.8	34.5	34.6
359	3	M	20.6	22.3	24.0	24.9	25.9	27.4	28.0	29.4	29.5	30.2	29.8	30.9	31.6	32.2	31.1	31.9	33.3	32.9	34.1	34.8	33.4
360	3	M	19.3	21.5	23.6	24.5	25.4	26.2	26.5	27.8	28.3	28.2	28.6	29.0	29.1	29.8	29.4	29.2	29.3	30.5	29.6	31.2	30.9

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
			TEST WEEK																				
361	3	M	19.2	21.7	23.7	24.8	25.7	26.6	27.2	28.3	28.9	29.4	29.0	29.7	29.6	30.3	28.2	30.3	30.9	30.5	31.5	32.1	30.5
362	3	M	21.4	23.1	24.8	25.8	26.8	27.2	28.0	29.1	30.0	30.2	30.1	[illegible]	30.5	31.6	29.5	31.4	32.1	32.2	32.9	33.7	32.4
363	3	M	20.3	23.2	25.4	26.9	28.3	29.8	29.6	31.2	30.9	31.9	31.4	32.2	32.8	33.1	31.7	33.2	33.4	34.1	34.1	34.7	33.9
364	3	M	20.9	23.4	25.4	26.8	28.2	29.7	29.8	30.4	31.0	31.2	30.8	31.3	31.7	33.1	30.0	32.3	33.0	33.6	33.6	34.3	33.5
365	3	M	21.8	23.3	25.0	25.4	26.6	27.1	27.9	29.1	29.8	30.3	30.8	31.3	31.6	31.7	30.2	32.3	33.6	34.8	34.7	35.7	36.2
366	3	M	20.4	22.3	23.8	25.2	26.3	27.2	27.3	28.6	29.2	30.0	29.8	30.4	30.3	31.3	30.1	31.7	31.8	32.9	32.5	33.8	33.2
367	3	M	21.7	24.2	26.7	28.4	29.5	30.2	30.2	31.8	32.6	32.4	32.5	33.1	33.4	34.6	33.0	34.8	35.2	36.0	36.4	36.8	36.2
368	3	M	20.7	23.0	24.7	26.2	26.8	27.5	28.2	29.4	29.8	30.0	29.4	30.4	31.1	31.2	30.2	31.9	31.9	32.7	32.4	34.9	33.9
369	3	M	17.0	18.4	19.8	21.0	22.1	23.0	23.8	24.9	24.4	25.2	25.0	26.1	25.8	26.6	25.7	25.9	28.1	28.8	28.1	28.6	28.5
370	3	M	23.1	24.9	26.2	28.2	27.7	29.2	28.0	30.0	29.8	29.5	30.6	30.8	---	---	---	---	---	---	---	---	---
371	3	M	21.5	23.2	24.4	25.4	26.6	27.3	27.7	29.4	29.8	29.9	30.2	31.0	31.9	33.0	32.7	35.5	35.9	36.7	37.0	38.9	39.8
372	3	M	22.0	23.6	25.9	26.6	28.0	28.7	29.0	30.4	31.6	31.6	32.1	33.2	34.2	35.0	34.2	34.0	35.7	34.8	36.2	37.3	37.4
373	3	M	22.2	24.2	26.2	27.4	28.4	29.1	29.4	30.7	31.7	32.3	32.4	32.3	32.6	33.7	33.5	33.5	34.2	35.4	36.2	38.4	38.5
374	3	M	18.2	19.6	21.2	22.4	22.7	24.2	25.0	26.0	26.9	27.5	27.6	28.6	29.0	29.8	29.0	31.6	31.9	31.3	29.0	34.0	31.0
375	3	M	16.6	18.8	20.2	21.2	22.1	22.7	23.0	23.9	24.1	24.7	24.8	25.2	25.6	26.3	26.0	26.6	27.4	27.2	28.3	29.5	28.7
376	3	F	15.4	16.4	17.9	19.8	20.3	20.4	22.0	22.3	21.9	22.0	22.4	24.0	22.1	24.1	24.6	24.1	24.7	24.9	25.6	26.3	25.5
377	3	F	14.9	17.1	19.3	[illegible]	21.3	21.3	21.7	22.8	22.8	22.8	22.9	24.1	26.1	26.0	24.7	28.1	26.9	26.7	28.5	29.5	29.0
378	3	F	18.8	19.0	19.8	21.1	20.9	23.0	22.1	24.2	24.0	24.0	24.3	25.2	27.1	25.8	27.6	30.4	29.4	27.4	29.2	31.0	36.9
379	3	F	14.6	15.6	16.5	17.1	17.4	18.6	19.5	19.7	21.1	21.0	20.4	20.7	21.8	22.1	21.7	22.4	24.7	24.2	25.0	25.4	25.2
380	3	F	18.9	18.8	20.2	21.6	21.6	22.1	24.0	23.1	23.4	24.6	25.2	25.1	25.4	27.4	28.7	27.0	27.9	30.7	29.0	30.0	33.1
381	3	F	17.6	18.2	19.0	20.5	20.3	21.2	23.5	21.9	22.0	24.0	23.5	23.5	23.1	24.4	23.8	25.2	25.2	26.0	25.3	28.0	26.4
382	3	F	16.6	18.1	18.4	19.4	18.7	19.9	20.0	20.7	20.8	22.0	21.8	21.9	24.6	23.0	23.4	24.1	24.3	26.8	24.1	25.8	25.7
383	3	F	17.5	19.5	19.5	19.7	20.7	21.9	22.0	21.7	23.3	25.6	24.6	25.0	24.9	25.5	26.6	28.7	28.3	28.6	29.9	32.4	31.5
384	3	F	17.0	17.8	18.3	18.7	19.1	19.7	21.2	20.3	20.7	22.8	23.8	21.8	[illegible]	23.8	23.8	25.1	24.8	26.7	25.7	26.1	28.8
385	3	F	16.7	17.8	18.9	19.4	20.9	20.8	21.8	22.7	23.2	23.3	22.9	23.2	25.9	25.4	25.2	26.9	26.7	27.3	29.2	28.1	30.5
386	3	F	19.2	21.4	22.6	22.4	23.8	27.0	25.1	25.5	29.1	27.8	28.3	29.2	29.6	33.2	34.5	30.6	32.8	37.5	34.8	38.8	37.1
387	3	F	17.2	17.9	18.8	19.6	21.1	21.8	23.1	22.1	23.9	25.9	26.4	25.8	26.5	27.0	30.3	30.0	30.2	31.9	31.3	37.1	34.6
388	3	F	17.3	18.5	19.5	19.9	20.8	22.3	22.2	21.9	22.8	23.8	24.5	25.6	25.3	24.8	24.3	25.4	26.2	29.1	27.3	27.8	28.1
389	3	F	19.5	19.6	20.7	21.6	23.1	23.4	23.5	23.1	25.0	25.1	25.1	26.0	26.5	26.7	25.8	27.8	28.1	29.8	30.3	33.9	33.9
390	3	F	15.7	16.2	17.4	18.9	19.2	19.7	19.9	20.8	21.6	21.9	22.3	23.3	22.7	22.5	22.8	23.6	24.0	24.5	24.8	26.2	26.5
391	3	F	16.5	18.1	18.9	18.8	19.0	21.1	21.3	21.6	21.8	23.8	23.5	23.1	23.3	25.4	23.1	24.4	26.8	25.8	35.2	26.6	26.0
392	3	F	15.8	17.4	18.5	20.0	19.9	20.6	21.2	21.8	22.6	23.0	23.4	24.1	24.8	26.2	24.5	24.9	26.6	26.8	26.0	28.3	29.9
393	3	F	19.5	19.4	20.3	21.9	21.4	23.1	23.1	23.3	23.8	25.0	25.6	25.9	25.9	30.5	25.8	28.1	28.3	29.8	31.2	30.9	31.0
394	3	F	16.6	18.0	18.4	19.1	19.7	20.6	22.0	22.1	22.7	23.8	23.5	23.4	23.7	25.9	23.8	26.2	28.0	26.4	26.7	28.4	27.9
395	3	F	16.8	17.5	18.4	19.5	19.5	20.7	21.4	21.1	22.4	23.2	22.9	23.3	22.6	23.5	25.5	25.5	26.0	26.8	25.7	26.8	28.1
396	3	F	17.9	18.1	18.9	19.8	21.1	21.8	21.9	22.3	24.2	25.6	26.1	26.7	26.8	27.0	27.9	31.9	30.5	32.2	30.5	33.3	33.3
397	3	F	15.0	17.9	18.6	18.4	19.7	20.8	20.9	22.2	21.4	22.8	22.0	23.0	24.6	23.1	22.7	23.5	25.0	24.6	25.8	28.8	27.1
398	3	F	17.0	18.9	19.7	20.0	20.9	22.4	22.8	22.2	22.6	24.0	23.7	23.8	24.5	25.7	25.3	26.9	27.0	26.4	27.6	28.6	30.2
399	3	F	16.3	17.3	18.3	19.4	20.0	20.7	21.4	22.4	22.9	23.4	23.7	25.0	25.2	26.0	25.0	27.4	27.3	28.0	29.4	29.1	31.0
400	3	F	18.0	18.8	19.4	20.9	21.3	21.9	22.0	25.2	23.6	24.1	26.2	28.9	26.6	27.1	26.9	29.6	29.1	30.4	30.3	31.9	31.9

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
401	3	F	16.3	17.7	20.5	20.0	21.4	21.9	21.7	22.4	23.5	24.6	24.9	25.6	26.0	26.1	29.1	26.6	27.6	28.1	28.6	29.5	31.5
402	3	F	18.3	20.3	21.2	21.7	22.1	23.3	23.3	23.8	24.5	26.1	26.6	27.6	27.7	29.1	29.3	29.6	28.3	32.8	30.6	32.3	34.6
403	3	F	16.0	17.0	18.6	19.4	21.4	21.1	23.0	22.0	23.5	24.0	24.2	23.3	23.8	24.2	25.1	24.4	26.7	26.4	26.6	26.8	28.3
404	3	F	17.6	19.2	20.7	21.1	21.5	22.1	23.6	22.8	25.6	25.1	26.5	28.3	28.4	31.4	28.5	31.7	34.8	31.9	38.1	36.4	37.2
405	3	F	17.4	18.6	19.9	21.2	21.1	21.9	23.6	24.5	24.2	24.8	27.3	25.2	27.3	29.6	26.7	27.1	29.0	30.4	30.0	33.5	34.5
406	3	F	17.2	18.2	19.7	20.4	20.5	22.0	22.6	22.5	24.3	27.0	24.8	25.5	25.0	26.6	25.3	26.6	30.4	27.5	28.0	30.3	31.3
407	3	F	16.6	17.7	19.0	19.6	20.0	20.9	22.7	21.7	24.1	26.6	25.5	26.1	26.3	26.8	29.3	29.0	29.7	32.6	30.0	32.9	32.4
408	3	F	16.8	17.8	18.9	19.6	20.4	21.4	21.9	22.1	22.7	24.4	23.7	24.2	23.7	24.9	24.6	24.9	25.8	26.3	26.6	26.9	28.4
409	3	F	17.2	18.7	20.4	21.0	21.4	21.9	23.4	24.4	24.1	24.4	24.4	26.1	27.6	25.7	25.9	27.1	28.5	27.8	28.1	29.3	30.1
410	3	F	18.6	18.0	19.7	20.6	21.6	21.9	23.5	23.8	24.0	24.5	24.9	24.8	26.0	26.5	25.5	26.2	26.6	28.2	29.4	29.5	30.8
411	3	F	15.2	18.1	18.0	19.1	20.2	20.6	20.6	20.8	21.9	22.4	22.5	22.9	23.6	24.0	22.8	24.1	24.8	24.9	25.3	24.6	25.8
412	3	F	16.3	17.6	18.2	19.1	20.2	20.9	22.7	21.8	23.3	23.7	24.3	24.6	24.5	25.8	24.7	26.5	27.8	28.0	29.3	28.1	30.8
413	3	F	15.5	17.3	19.9	20.1	20.5	22.3	21.9	22.2	23.0	24.3	24.2	23.9	25.2	26.5	25.9	25.5	26.8	28.5	30.4	28.1	28.5
414	3	F	16.9	19.5	19.8	20.1	21.6	21.9	22.8	23.3	24.6	24.0	24.7	24.8	25.2	26.0	25.8	25.5	26.7	27.8	28.8	30.3	28.8
415	3	F	17.7	18.9	20.6	20.9	22.8	22.4	23.5	24.0	24.2	25.6	25.2	26.4	27.8	26.9	27.0	29.2	30.4	28.2	30.8	30.7	30.7
416	3	F	16.8	17.4	18.9	20.5	21.4	21.2	22.4	22.6	22.3	23.5	23.8	25.4	23.5	24.7	24.6	26.5	26.4	27.9	30.0	28.6	29.0
417	3	F	18.1	19.3	20.4	21.1	22.8	23.9	22.9	24.2	24.2	26.1	25.0	26.3	25.8	25.9	26.5	28.9	28.8	28.0	29.2	29.8	33.2
418	3	F	18.0	19.9	21.2	23.0	22.4	22.9	22.8	24.8	26.4	25.1	25.2	28.6	26.9	27.4	30.8	30.6	30.6	30.6	30.4	32.3	32.7
419	3	F	16.6	17.8	18.6	19.0	19.5	20.3	20.4	20.9	20.9	22.5	22.3	22.3	23.1	22.6	22.9	24.6	26.4	25.8	24.9	25.8	26.2
420	3	F	15.9	17.2	18.7	19.8	21.0	21.1	21.0	24.0	21.8	24.0	23.7	24.3	24.9	24.2	26.1	25.9	27.4	29.0	24.5	29.0	30.8
421	3	F	17.7	19.6	21.7	21.7	22.3	24.4	24.2	24.7	24.9	27.4	25.6	27.9	28.4	28.5	28.8	29.8	31.0	32.3	34.2	33.3	36.4
422	3	F	15.3	17.1	18.0	18.6	19.4	20.8	20.2	21.4	22.4	21.9	23.1	24.2	22.3	23.6	23.5	24.4	26.2	26.3	27.0	27.9	27.7
423	3	F	15.3	16.2	17.4	19.0	18.8	20.0	20.7	20.6	21.1	22.0	21.3	21.6	23.2	22.0	22.2	22.6	24.5	23.4	23.7	24.0	23.1
424	3	F	18.6	18.8	20.0	20.0	21.1	21.7	21.8	22.6	23.8	23.5	24.4	26.9	24.4	24.9	27.9	27.1	26.8	30.7	28.5	32.3	31.7
425	3	F	17.0	18.5	20.4	19.8	20.1	21.2	22.3	22.6	24.4	22.9	24.1	25.2	25.3	28.3	25.2	26.6	28.6	27.2	27.8	30.0	31.1
426	3	F	18.7	19.4	19.9	21.7	21.6	22.3	22.9	23.0	23.4	23.4	23.4	24.3	24.3	25.6	24.9	26.5	25.8	25.5	26.7	28.4	29.3
427	3	F	15.7	17.8	19.6	19.9	20.4	22.3	22.0	22.3	24.1	24.5	24.3	24.4	25.8	26.4	27.5	28.8	29.0	29.2	30.6	31.2	33.5
428	3	F	17.2	18.0	19.9	20.5	21.8	21.6	23.0	23.2	25.0	23.7	23.3	25.9	26.7	28.4	27.7	28.9	30.0	30.6	33.3	31.7	33.3
429	3	F	18.9	19.5	20.4	22.6	21.7	22.9	23.2	23.7	25.2	24.2	23.8	25.3	25.9	26.1	27.6	25.6	29.1	28.4	30.7	29.3	30.0
430	3	F	17.2	17.4	18.8	20.5	20.6	22.1	22.3	22.3	23.3	22.9	22.8	23.8	25.8	24.0	23.5	25.2	24.4	26.1	26.5	27.9	26.7
431	3	F	14.3	16.2	17.2	18.4	19.6	19.7	20.2	21.7	22.0	23.7	21.8	22.2	24.1	25.5	24.0	23.5	27.6	29.3	27.5	28.4	28.2
432	3	F	14.2	15.8	17.4	18.5	18.9	19.6	20.6	21.5	21.3	22.8	23.0	23.4	22.7	23.7	23.9	23.3	25.4	25.1	26.1	25.4	26.7
433	3	F	16.8	16.9	17.5	18.2	18.6	19.9	19.6	20.2	22.0	22.2	22.1	22.4	24.1	24.1	23.5	24.7	24.9	26.4	28.5	25.8	29.1
434	3	F	17.1	18.3	18.9	19.9	21.3	22.9	21.9	22.8	23.8	24.0	24.2	25.7	26.1	26.6	26.0	27.5	28.6	29.1	30.5	33.1	32.5
435	3	F	17.9	19.4	19.3	20.0	21.3	21.5	22.1	22.4	22.6	23.9	24.0	23.8	26.0	26.5	25.3	28.3	27.9	26.4	29.0	27.9	30.5
436	3	F	19.3	21.2	21.5	22.2	22.6	25.4	26.3	25.1	24.9	28.6	26.6	25.7	27.9	28.6	28.4	30.4	32.1	32.0	32.3	33.3	36.5
437	3	F	16.9	18.8	19.3	20.1	20.7	22.1	22.0	21.6	22.4	24.7	24.2	24.4	24.4	24.9	25.5	25.9	27.5	26.8	27.6	29.3	29.3
438	3	F	14.6	15.3	17.4	17.9	17.9	19.8	20.6	20.3	21.9	21.5	22.6	22.4	21.7	23.5	22.5	24.1	23.4	24.5	24.4	27.1	26.4
439	3	F	16.6	18.9	18.8	19.4	19.3	20.9	20.8	22.1	21.8	23.0	23.2	22.8	23.2	24.3	23.6	26.4	26.7	25.0	26.8	26.7	29.4
440	3	F	14.2	16.0	16.8	18.2	18.9	19.9	19.5	20.6	21.8	21.2	22.2	21.1	22.0	23.5	22.5	22.7	24.2	24.1	23.7	24.9	24.0

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
441	3	F	15.3	16.0	17.0	17.5	18.5	18.8	19.5	20.9	21.2	21.1	21.4	22.0	22.1	22.3	21.8	23.2	23.1	24.0	24.0	25.3	24.9
442	3	F	17.8	18.4	19.8	20.8	21.0	21.4	22.6	23.9	25.2	23.9	24.5	26.0	25.4	28.2	26.8	27.7	28.8	28.2	29.2	31.8	30.5
443	3	F	17.5	17.7	19.0	21.0	21.1	21.2	21.3	22.5	23.1	23.4	23.4	25.6	25.4	26.0	26.4	27.1	28.1	28.0	29.6	32.2	30.8
444	3	F	18.8	20.1	20.9	21.4	22.6	24.1	22.9	24.3	26.7	26.3	26.8	27.4	28.7	29.3	27.8	32.2	29.7	31.5	31.4	34.1	36.6
445	3	F	13.9	14.8	17.0	18.5	17.9	19.1	19.3	20.1	21.8	20.8	21.5	23.7	22.7	24.4	24.4	23.0	24.8	24.1	25.4	27.1	26.8
446	3	F	16.3	17.5	18.4	19.4	20.1	20.5	20.9	22.2	22.5	22.1	22.8	22.4	22.6	23.6	23.0	23.8	24.4	24.3	24.4	25.8	27.1
447	3	F	15.7	16.8	17.8	18.6	19.3	20.3	21.0	21.8	21.6	22.2	22.4	22.8	23.0	24.1	23.8	24.4	25.7	25.9	26.8	27.7	28.4
448	3	F	15.0	17.2	17.7	19.2	19.1	19.8	20.8	21.5	21.1	22.7	22.4	23.2	23.8	24.6	23.4	25.4	26.2	26.1	28.5	29.4	30.5
449	3	F	18.1	19.0	20.2	21.8	22.4	23.1	24.0	23.2	23.6	25.5	26.1	26.0	25.6	28.0	27.8	27.2	29.6	30.8	29.8	32.7	32.5
450	3	F	18.2	19.2	20.4	22.1	22.5	23.1	23.4	24.5	24.6	24.8	25.4	26.9	27.8	27.5	27.6	29.5	29.8	31.4	31.1	32.6	33.5
451	4	M	22.1	22.7	24.2	25.8	26.5	27.9	28.4	29.7	30.7	31.5	31.1	32.0	32.5	33.2	33.2	33.2	34.4	35.0	35.2	35.6	36.5
452	4	M	18.9	20.4	22.8	24.1	25.1	26.4	27.0	28.1	29.5	30.1	29.7	30.3	30.2	31.1	31.3	31.2	31.6	32.2	31.8	32.8	32.2
453	4	M	17.6	19.0	20.3	21.6	22.5	23.3	24.2	25.1	25.7	26.4	26.5	27.1	27.6	27.7	27.6	28.4	29.2	28.9	28.8	29.7	29.9
454	4	M	22.2	24.5	25.8	28.1	29.0	29.5	30.2	31.2	31.7	32.8	32.4	33.1	33.9	34.8	34.2	35.8	35.9	37.4	36.8	37.9	37.7
455	4	M	21.7	23.4	24.7	26.1	27.0	28.1	29.0	29.6	30.0	31.0	31.4	31.2	31.5	31.7	32.0	31.2	31.9	32.4	31.7	31.9	31.4
456	4	M	21.1	23.8	25.0	26.2	26.1	28.0	28.5	28.7	29.5	29.8	30.3	30.2	29.8	31.2	31.4	31.6	32.2	32.2	32.9	34.1	32.7
457	4	M	23.4	25.9	27.1	28.5	29.4	30.9	31.3	31.4	31.8	32.9	33.2	32.5	33.4	34.1	33.0	35.2	34.9	36.0	35.6	37.8	37.0
458	4	M	21.4	23.9	26.1	27.4	28.0	29.5	29.6	29.8	30.0	30.6	30.7	31.0	31.6	32.1	30.8	32.1	32.9	33.0	32.6	33.5	32.4
459	4	M	20.5	22.2	24.5	26.4	27.3	29.0	29.3	30.0	30.8	31.3	31.9	31.8	32.3	33.7	33.2	34.1	35.0	34.8	34.6	36.1	35.0
460	4	M	18.5	20.0	21.5	22.6	23.5	25.4	25.7	26.5	27.3	28.1	28.3	28.8	29.2	29.8	29.9	30.6	31.3	31.6	31.3	32.9	32.2
461	4	M	21.8	23.1	25.0	26.7	27.9	28.9	29.4	29.6	30.5	30.6	31.0	31.7	32.4	32.4	32.0	33.9	33.8	34.7	34.6	35.6	35.2
462	4	M	22.8	23.9	24.8	26.2	27.0	28.4	28.7	29.1	30.2	32.1	32.6	33.2	32.6	33.5	33.2	34.6	34.5	35.3	35.3	36.8	36.7
463	4	M	17.9	19.7	22.0	23.4	24.3	25.3	25.7	25.7	26.7	27.4	27.7	27.6	28.8	29.3	29.5	28.6	30.2	29.5	29.8	30.2	29.5
464	4	M	18.6	19.8	21.4	23.2	24.3	25.3	26.2	26.8	27.6	27.9	28.1	28.7	28.8	29.6	30.1	30.6	30.2	31.0	30.6	31.7	31.6
465	4	M	21.6	22.9	24.3	25.6	27.0	28.2	28.2	28.8	30.2	30.6	31.0	31.8	32.5	32.9	33.0	33.5	33.1	34.7	35.6	37.0	36.7
466	4	M	23.2	24.9	26.2	27.4	28.4	29.6	30.2	31.1	31.6	31.8	32.4	33.2	33.7	33.5	33.2	33.7	35.4	34.9	34.9	37.5	36.6
467	4	M	21.4	22.9	24.1	25.2	26.2	27.1	27.7	27.9	28.7	28.6	29.5	29.5	30.3	30.1	30.4	32.5	34.3	33.1	33.8	35.2	34.3
468	4	M	21.1	22.7	23.4	24.3	25.0	26.2	26.5	27.2	27.8	28.5	29.2	29.5	29.9	30.0	29.8	30.7	30.7	31.4	31.0	31.9	32.8
469	4	M	22.1	23.5	24.7	25.6	26.3	27.8	28.6	29.0	30.1	29.8	29.8	29.7	30.1	31.1	30.7	31.4	33.1	32.5	32.3	33.4	32.4
470	4	M	18.2	20.2	22.0	23.2	24.0	25.1	26.4	26.6	27.6	27.7	28.3	29.2	29.0	29.9	29.4	31.3	32.1	32.4	31.5	32.6	32.2
471	4	M	20.2	21.4	23.5	25.4	26.8	28.1	28.8	28.8	28.8	29.9	30.5	30.3	30.9	32.3	31.5	32.3	31.7	33.3	32.4	33.7	33.5
472	4	M	20.4	22.2	23.5	24.8	25.4	26.5	27.0	27.6	28.4	29.1	29.2	29.1	29.4	30.5	30.4	31.2	31.4	32.9	32.2	32.6	32.8
473	4	M	21.2	22.8	24.0	25.4	26.3	27.5	27.8	28.7	29.2	29.4	29.8	30.4	30.8	31.3	31.0	32.4	32.5	32.6	32.8	33.4	33.9
474	4	M	21.7	23.2	24.4	25.8	26.7	27.8	28.4	29.4	30.0	30.8	30.6	31.0	31.0	32.2	31.6	33.0	33.4	34.7	33.6	34.0	34.0
475	4	M	20.8	22.0	23.6	25.2	26.3	27.7	27.6	28.2	29.0	29.8	29.6	29.8	29.7	30.8	30.2	31.2	31.0	31.9	31.4	32.6	31.3
476	4	M	18.9	20.8	22.4	22.9	24.8	26.6	26.4	27.3	27.3	28.3	28.8	29.2	28.4	28.5	29.9	30.9	31.7	31.8	31.7	32.1	32.6
477	4	M	19.3	20.3	21.8	23.4	22.9	23.8	23.8	24.6	25.1	25.4	26.0	26.4	26.9	27.2	27.1	27.4	28.5	28.9	28.5	29.7	31.1
478	4	M	18.7	21.6	23.4	24.0	25.6	25.9	26.0	27.0	27.3	27.8	28.5	29.0	28.5	29.7	29.5	31.2	31.9	32.0	33.1	32.5	32.8
479	4	M	20.1	21.8	22.8	23.8	24.0	25.2	25.1	25.2	25.8	26.4	26.6	27.0	26.9	27.4	27.1	27.5	28.6	29.3	28.6	28.9	29.6
480	4	M	21.9	23.9	24.9	26.2	26.6	27.6	28.1	29.2	29.1	29.7	30.2	30.9	30.7	31.6	31.9	32.4	32.7	33.6	33.2	34.1	34.5

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
481	4	M	22.0	23.8	25.3	26.4	27.4	28.7	29.2	30.1	30.9	31.0	32.3	32.6	32.6	33.7	33.3	34.4	34.6	35.6	36.3	36.6	37.8
482	4	M	20.9	22.8	24.3	25.2	26.3	28.4	29.1	29.9	30.7	31.5	31.9	31.8	32.8	33.3	33.7	34.6	34.9	36.9	36.4	37.7	39.2
483	4	M	19.4	20.3	21.8	22.5	23.0	24.2	25.2	25.4	26.4	27.3	27.2	27.3	27.9	28.9	28.6	28.3	28.4	29.5	28.8	29.0	30.0
484	4	M	22.4	24.5	25.4	26.5	27.3	28.2	28.8	29.6	30.6	30.9	31.7	32.2	33.2	33.9	33.2	33.7	33.3	34.6	33.9	33.9	34.7
485	4	M	21.9	24.0	25.7	26.7	26.8	27.7	29.0	29.3	29.6	29.8	30.5	30.5	30.6	31.3	31.1	31.9	32.4	32.9	33.0	33.7	34.9
486	4	M	21.3	23.4	24.4	25.9	26.6	27.4	27.8	28.0	28.8	29.1	29.4	30.3	30.0	30.8	31.1	31.7	31.6	32.7	31.6	32.7	32.6
487	4	M	22.1	24.2	25.4	27.0	27.6	28.9	29.2	30.1	30.3	31.8	32.4	32.2	33.0	33.0	32.6	34.2	33.6	36.2	35.8	35.8	36.9
488	4	M	24.7	25.8	26.0	27.7	28.5	29.7	29.8	30.3	30.3	30.8	31.3	31.6	32.8	33.2	32.6	34.9	33.0	34.5	34.4	35.1	35.3
489	4	M	19.4	21.4	22.8	24.2	24.1	25.0	25.5	26.0	26.7	27.1	27.8	27.7	28.2	28.6	28.7	30.0	29.3	31.1	31.1	31.2	31.3
490	4	M	19.1	20.7	22.6	24.0	24.7	25.7	26.1	26.6	27.0	27.6	28.0	29.3	29.3	29.3	29.5	30.9	30.2	31.2	30.5	31.4	31.3
491	4	M	23.3	25.8	26.6	28.8	28.7	30.1	30.9	31.1	32.6	32.5	32.8	33.3	33.3	34.1	33.5	34.7	33.6	35.8	35.3	36.3	36.5
492	4	M	20.4	22.1	23.1	25.2	25.0	27.1	28.0	29.1	29.9	29.9	29.7	30.8	30.0	30.8	30.9	31.0	30.4	32.1	31.5	32.2	32.8
493	4	M	21.7	24.9	26.7	28.8	29.7	31.2	32.0	33.0	33.6	34.6	34.3	34.7	35.4	35.9	35.2	36.9	35.5	36.5	37.6	37.7	38.1
494	4	M	23.8	26.0	26.8	29.1	29.3	30.9	30.9	32.0	32.3	33.2	33.5	32.9	34.1	34.5	33.7	34.9	33.0	35.3	34.9	34.9	35.9
495	4	M	18.1	19.6	20.9	22.3	23.2	25.5	26.1	26.8	27.8	27.9	28.2	29.3	29.3	30.2	30.2	31.0	30.4	30.9	31.1	31.8	32.4
496	4	M	19.2	20.5	21.4	22.3	21.6	22.7	23.8	24.9	25.2	26.1	27.1	27.9	27.9	28.3	28.1	28.9	30.0	29.0	29.6	30.6	30.0
497	4	M	17.7	19.6	21.0	22.1	22.4	24.1	24.9	26.3	26.6	26.8	27.8	28.4	29.5	29.5	29.1	30.5	30.1	30.3	30.8	31.8	32.3
498	4	M	16.7	17.9	19.3	20.7	20.9	22.6	23.6	24.5	25.2	26.0	26.0	26.6	27.4	27.5	27.4	28.5	29.2	27.8	27.7	29.0	29.2
499	4	M	21.0	23.0	24.7	26.1	26.6	28.0	28.8	29.5	30.4	31.7	31.7	32.7	32.6	33.4	33.2	35.4	35.4	35.6	35.1	37.0	36.8
500	4	M	23.0	24.6	25.6	26.2	26.2	27.2	28.0	28.6	29.2	30.0	30.7	31.6	32.2	32.1	32.2	33.0	34.5	33.4	34.7	35.9	37.0
501	4	M	23.6	24.9	25.2	28.0	28.4	29.6	30.1	31.6	32.2	32.4	32.8	33.1	33.8	33.8	33.8	34.2	35.4	35.1	34.7	36.6	35.6
502	4	M	22.0	23.7	24.8	25.9	26.9	28.8	29.1	31.1	31.0	30.9	31.5	32.5	32.7	33.8	33.4	34.6	34.6	35.5	34.4	35.8	34.9
503	4	M	21.6	22.4	23.1	25.3	25.9	27.6	27.8	29.3	29.8	30.0	30.7	31.1	30.8	31.4	31.8	32.7	31.6	33.1	33.7	34.4	33.7
504	4	M	22.1	24.5	24.7	27.5	28.3	30.5	31.1	32.7	32.0	32.9	32.9	33.2	33.8	34.1	33.9	34.4	34.3	34.1	34.5	35.6	34.5
505	4	M	24.7	27.8	28.0	28.9	29.3	31.2	31.5	33.1	32.5	34.2	34.4	35.4	35.7	36.0	35.4	36.2	36.6	38.2	35.4	36.9	36.0
506	4	M	22.9	24.4	26.2	27.2	27.7	29.2	29.8	31.3	32.5	32.5	32.6	33.4	33.9	35.1	34.6	35.1	34.9	36.7	36.5	38.1	38.3
507	4	M	22.7	24.8	26.4	27.8	28.4	29.4	28.7	29.7	31.2	31.4	31.6	32.2	32.2	33.8	32.6	33.5	33.6	35.0	33.7	35.3	35.6
508	4	M	22.5	24.1	25.7	27.5	27.8	29.6	28.2	29.8	30.7	30.4	31.1	31.6	31.8	32.7	32.5	32.8	33.1	34.0	34.4	35.5	35.0
509	4	M	24.3	26.8	27.9	30.0	31.1	31.9	31.7	33.2	33.5	33.9	33.7	34.2	35.1	36.7	34.7	35.2	35.6	36.4	35.9	37.4	37.0
510	4	M	20.4	22.4	24.3	26.2	26.6	27.9	28.1	29.5	29.3	30.4	30.4	30.6	31.3	31.6	30.5	32.5	32.6	33.5	34.0	34.7	34.6
511	4	M	19.5	21.8	23.7	24.4	24.6	25.7	25.5	27.5	27.3	27.8	28.0	29.1	29.8	29.7	28.9	30.1	31.3	31.4	30.6	32.3	32.0
512	4	M	23.2	24.5	25.4	27.0	27.4	28.2	28.5	29.8	30.4	30.9	31.0	32.3	33.1	33.4	32.5	33.0	35.3	34.2	34.7	36.2	35.4
513	4	M	20.0	22.5	24.0	25.2	25.6	27.4	27.2	29.0	29.6	30.1	30.5	31.6	32.3	33.2	32.4	33.2	34.4	35.3	35.0	36.1	36.4
514	4	M	22.4	24.9	26.3	27.6	28.2	29.3	29.3	30.2	31.3	31.9	31.2	33.0	32.5	33.1	32.6	34.0	34.8	34.3	35.6	36.0	35.8
515	4	M	18.4	20.1	21.9	23.0	23.4	24.4	24.8	26.1	26.6	27.0	26.4	27.2	27.2	27.6	27.0	28.9	29.1	29.1	28.5	29.5	29.4
516	4	M	20.1	21.2	22.3	24.0	25.4	26.6	27.4	28.4	28.8	29.5	29.5	30.3	30.5	31.3	30.7	30.3	31.3	31.6	31.7	32.8	32.4
517	4	M	21.6	23.5	24.8	26.2	27.2	28.7	29.1	30.0	30.5	31.6	31.2	32.4	33.0	33.6	32.7	33.0	34.4	36.1	35.1	35.6	35.8
518	4	M	18.6	19.6	21.7	23.1	24.5	25.2	26.1	27.6	27.7	28.2	28.7	29.5	29.9	30.8	30.4	31.2	32.4	33.2	33.4	33.4	34.1
519	4	M	22.7	24.3	25.9	27.6	28.6	29.5	29.6	30.8	30.8	32.1	31.6	32.6	32.1	33.2	32.5	32.9	33.1	34.1	33.7	34.8	34.4
520	4	M	23.3	25.0	27.0	28.1	29.3	30.1	30.2	31.1	31.9	32.8	32.8	33.5	33.7	34.6	34.3	35.8	35.8	36.8	36.9	38.1	37.9

--- = NO AVAILABLE DATA

Table VII.2 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
521	4	M	18.1	19.5	20.8	22.0	22.9	24.3	25.2	25.7	26.2	26.4	26.0	26.8	26.9	28.0	26.6	27.0	27.3	27.7	28.0	28.9	28.0
522	4	M	20.5	22.2	24.1	24.9	26.5	28.6	29.4	30.0	30.4	31.0	31.5	31.4	31.7	32.2	31.1	31.8	32.4	33.2	32.3	33.8	33.5
523	4	M	18.9	20.6	23.1	24.3	25.2	26.9	27.8	28.5	29.6	29.3	29.6	30.6	31.2	32.5	30.8	31.5	32.3	32.4	32.9	34.4	33.2
524	4	M	21.1	23.2	24.3	25.5	26.8	28.5	29.3	30.5	31.2	32.4	32.4	34.3	34.5	35.7	34.3	35.1	35.0	35.3	35.5	37.5	36.0
525	4	M	19.7	22.0	22.5	25.4	26.7	28.6	28.1	29.5	30.2	30.9	30.6	31.6	31.7	33.4	31.5	32.5	32.6	33.3	32.8	34.8	33.8
526	4	F	18.4	18.6	19.8	20.0	20.8	22.3	21.6	22.0	23.3	24.5	24.2	24.3	24.5	24.8	24.3	25.7	25.7	26.5	26.3	27.6	26.8
527	4	F	16.0	16.6	17.6	18.1	19.3	19.6	20.0	20.6	21.5	21.7	21.3	21.3	22.0	22.7	21.8	22.9	23.4	24.6	24.8	25.7	25.1
528	4	F	16.9	18.2	19.4	19.4	20.5	20.8	21.4	20.7	21.6	22.0	21.4	21.9	22.2	22.1	21.7	24.1	23.5	25.4	23.9	23.8	25.2
529	4	F	18.1	20.3	19.7	22.3	21.3	23.4	24.9	23.5	24.0	27.3	24.3	24.1	26.8	25.6	25.4	26.5	28.8	28.9	28.7	31.9	32.9
530	4	F	19.2	19.9	19.9	21.0	22.1	23.2	22.8	23.0	24.2	25.4	24.8	24.4	25.4	25.4	25.0	26.5	26.4	27.9	27.6	28.3	29.7
531	4	F	15.9	17.9	19.6	23.7	20.9	21.2	21.4	22.2	23.8	23.5	23.7	25.7	26.5	26.0	26.2	26.4	28.0	30.1	28.4	28.6	28.6
532	4	F	18.8	19.9	21.1	21.6	21.5	22.9	23.0	24.4	24.3	27.1	25.2	25.4	26.2	29.0	27.0	30.0	29.4	27.3	28.9	31.7	30.5
533	4	F	17.2	18.0	18.7	19.2	20.3	20.6	20.4	21.6	23.0	22.3	21.8	24.0	23.4	23.2	24.1	23.5	24.4	24.5	25.2	26.7	26.0
534	4	F	20.1	19.4	20.4	21.6	21.6	22.7	21.7	22.6	23.3	23.8	23.8	24.3	24.4	26.2	25.2	25.1	26.3	26.9	26.3	23.5	27.0
535	4	F	17.9	17.9	19.8	20.2	20.6	21.1	21.9	22.4	22.6	24.1	24.4	24.0	23.9	24.9	24.8	26.6	25.9	26.5	27.7	28.8	27.0
536	4	F	15.6	15.9	17.8	18.1	19.2	20.1	21.0	22.1	22.0	22.1	22.3	22.7	22.2	22.6	23.1	24.2	24.2	24.3	24.6	24.8	24.8
537	4	F	17.6	18.1	19.0	19.7	20.6	20.5	21.9	22.3	21.7	23.5	23.6	23.7	24.7	25.0	25.0	24.6	27.5	25.8	25.4	27.5	26.3
538	4	F	16.7	17.2	18.6	19.4	20.2	21.8	21.1	21.8	23.3	23.8	24.0	24.3	25.8	25.1	24.9	24.1	26.9	27.6	25.3	29.4	26.6
539	4	F	16.9	19.2	19.7	20.0	20.8	22.1	22.2	22.6	23.0	24.8	24.8	25.9	26.2	26.8	27.1	27.3	28.1	28.8	29.6	31.2	34.3
540	4	F	18.9	19.0	20.2	21.1	22.4	22.8	22.2	24.4	24.0	24.7	24.7	25.7	25.4	25.4	25.1	25.4	27.1	25.6	27.2	30.0	26.6
541	4	F	18.2	21.0	20.5	21.2	23.7	22.6	24.7	24.9	26.8	25.9	28.4	29.4	27.9	29.6	27.5	26.7	27.9	29.0	31.6	32.7	35.4
542	4	F	17.9	18.7	18.7	20.1	21.3	21.4	21.7	22.3	23.4	23.6	25.0	23.7	24.3	25.9	24.7	25.7	26.1	26.5	29.6	29.5	27.4
543	4	F	13.8	15.3	16.8	17.1	18.7	19.3	20.1	20.4	20.7	22.2	22.9	22.3	23.2	23.2	23.4	23.8	24.7	25.0	27.1	26.8	28.2
544	4	F	16.9	18.0	18.4	19.2	20.2	20.5	20.8	21.8	21.9	22.2	22.3	23.2	22.6	22.9	23.2	23.5	24.5	24.6	25.1	26.3	26.2
545	4	F	17.3	17.8	19.2	19.6	21.3	21.8	22.4	23.0	22.6	24.6	23.2	26.5	25.3	26.4	28.3	26.7	30.3	30.2	28.5	29.8	30.2
546	4	F	16.6	18.0	19.8	20.2	21.4	21.6	21.9	22.3	22.1	23.3	23.1	24.8	24.5	25.5	24.3	24.5	25.8	27.1	27.3	29.1	28.5
547	4	F	15.1	17.3	18.3	20.3	20.4	20.8	21.2	22.1	21.2	22.7	22.7	23.9	24.4	24.8	23.4	25.0	26.3	26.3	25.8	26.4	26.4
548	4	F	16.4	17.0	18.4	18.9	18.7	19.8	20.7	20.6	20.4	21.6	21.7	22.0	23.7	22.8	22.9	22.8	23.8	24.1	24.0	24.6	26.1
549	4	F	16.3	17.5	18.4	19.3	20.2	20.6	20.5	21.3	21.7	22.1	22.0	22.8	23.6	23.7	23.4	24.4	25.0	25.2	25.6	26.1	26.8
550	4	F	18.9	20.1	20.2	21.0	21.8	22.4	23.3	23.1	24.9	23.8	24.0	27.0	25.8	25.8	25.4	25.5	26.2	27.1	27.0	28.1	29.5
551	4	F	17.8	18.9	20.0	21.1	20.7	21.0	21.5	22.9	23.0	23.4	24.4	24.0	24.0	26.3	24.5	25.4	26.3	28.1	26.0	26.8	28.3
552	4	F	15.2	16.1	17.4	19.1	19.5	19.6	21.3	22.1	21.3	21.7	22.7	22.2	22.8	23.6	23.8	24.1	24.9	24.2	25.4	26.0	26.5
553	4	F	17.0	17.6	19.6	20.4	19.9	21.8	21.6	22.2	23.8	22.9	23.1	24.3	23.9	24.2	24.6	24.9	26.5	25.0	25.6	25.8	26.1
554	4	F	17.4	17.8	18.3	18.5	18.2	19.6	20.4	20.3	21.4	21.2	22.6	23.2	22.8	22.8	24.4	25.5	24.6	25.7	25.7	26.5	29.9
555	4	F	16.2	17.9	19.6	20.4	20.1	21.7	22.3	22.5	22.2	23.9	23.5	25.8	25.9	24.4	24.5	24.7	25.9	26.0	25.6	26.8	26.7
556	4	F	19.1	19.1	19.4	21.2	21.0	22.2	23.8	22.3	23.9	23.7	23.7	24.0	23.8	25.0	25.1	24.5	25.8	25.9	26.8	26.2	27.6
557	4	F	17.2	18.0	18.8	19.6	19.7	20.5	20.7	21.4	21.4	22.7	22.0	23.3	22.9	22.8	23.2	23.7	25.3	25.0	25.6	25.9	27.5
558	4	F	16.2	17.9	18.8	20.4	20.7	21.1	23.0	21.9	22.8	23.6	23.2	23.2	23.9	25.1	23.8	26.5	25.3	25.9	27.0	28.2	26.4
559	4	F	16.5	17.8	19.3	19.6	20.8	22.2	21.3	22.3	23.7	22.6	23.3	23.8	23.5	24.3	25.3	25.2	25.2	26.4	26.6	26.7	30.0
560	4	F	16.1	18.1	18.4	20.1	21.4	22.2	22.4	22.6	24.1	23.0	24.6	25.5	25.6	25.1	26.4	26.0	26.6	27.2	29.2	29.7	31.0

--- - NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
561	4	F	19.8	20.1	22.3	22.0	22.2	24.4	23.2	25.6	24.2	25.9	26.8	26.7	26.8	27.7	28.5	28.0	29.6	29.6	28.8	31.2	31.7
562	4	F	15.5	17.4	17.9	19.4	20.2	20.6	21.2	21.8	21.9	23.1	22.4	22.5	23.5	23.3	23.4	25.1	23.5	24.9	24.1	25.7	26.2
563	4	F	15.7	17.7	19.5	20.2	20.6	20.8	22.1	23.0	22.8	22.9	22.8	25.1	23.3	24.6	24.7	24.3	25.5	25.4	26.5	28.0	27.3
564	4	F	17.5	19.1	20.5	21.3	21 4	22.7	23.0	23.0	23.3	24.9	23.6	23.3	24.1	26.8	24.5	25.8	25.6	26.2	26.4	27.9	28.0
565	4	F	18.3	18.4	20.3	20.6	21.0	23.3	21.8	22.2	24.8	23.1	24.0	26.6	24.4	26.1	25.4	28.2	26.8	26.7	26.1	28.1	28.1
566	4	F	17.2	18.4	20.4	20.4	20.4	20.7	21.8	22.2	21.9	22.0	24.4	23.8	23.6	24.4	23.4	24.2	25.8	25.2	27.3	25.9	25.9
567	4	F	19.0	20.4	20.9	22.6	23.3	24.7	23.1	24.7	24.4	25.4	25.5	26.3	26.9	26.5	25.9	27.7	27.5	28.8	27.4	29.5	29.1
568	4	F	14.3	17.3	17.5	17.9	18.8	19.9	19.6	19.8	21.5	20.8	21.3	22.2	22.5	24.0	22.4	23.1	24.4	23.2	24.2	26.2	24.9
569	4	F	17.7	19.1	19.4	20.0	21.4	21.1	21.8	22.5	22.8	22.5	23.0	23.9	24.4	24.4	24.5	25.1	27.4	25.9	26.7	27.9	27.5
570	4	F	16.5	18.4	20.2	20.7	20.8	21.2	22.0	23.0	23.1	23.4	24.1	24.8	24.1	24.8	25.1	27.5	25.8	26.3	25.9	27.8	27.4
571	4	F	16.5	18.0	18.8	19.4	19.5	21.0	21.2	20.9	22.6	23.4	22.5	23.1	23.2	24.0	23.6	24.6	25.2	24.7	25.4	25.3	26.5
572	4	F	14.2	16.4	16.6	17.8	18.5	19.2	19.0	20.0	21.1	20.5	20.8	21.7	22.6	21.9	22.7	23.7	23.4	24.2	24.7	26.2	25.9
573	4	F	16.0	17.4	18.4	20.2	19.3	20.9	21.9	21.4	22.6	23.1	23.3	23.6	25.1	23.7	24.6	25.8	25.4	25.4	25.6	26.8	28.1
574	4	F	16.1	17.6	18.9	20.7	20.7	21.2	22.1	21.9	23.4	23.8	22.9	23.6	23.8	24.6	25.9	24.1	26.1	28.4	26.3	29.0	27.1
575	4	F	18.0	18.6	19.7	21.5	21.3	21.9	22.4	23.5	23.6	23.6	23.7	26.0	24.9	25.1	25.9	27.3	27.7	28.3	30.9	29.6	30.8
576	4	F	18.3	18.4	20.3	21.0	21.3	21.9	23.3	24.6	24.7	24.5	25.7	27.6	24.7	26.9	25.8	26.4	27.3	28.8	28.7	29.8	30.6
577	4	F	15.6	17.3	18.5	18.8	20.3	20.3	21.4	21.9	23.4	22.0	23.8	23.2	23.5	24.8	24.1	25.7	26.9	25.4	27.2	26.9	26.4
578	4	F	16.6	17.2	18.5	19.7	19.6	20.0	21.6	21.9	21.5	22.0	22.2	22.5	21.7	22.6	22.6	24.7	24.0	23.6	24.5	24.4	26.0
579	4	F	13.3	15.3	15.2	16.2	16.6	16.8	18.0	17.8	18.1	19.2	18.5	20.0	19.6	20.1	20.4	20.1	20.6	21.0	21.4	21.7	21.7
580	4	F	14.9	16.5	16.9	17.7	19.0	19.3	19.9	19.9	20.4	22.0	22.4	21.3	22.0	22.2	23.0	22.4	23.8	24.8	24.4	25.2	26.1
581	4	F	14.6	16.9	17.4	19.7	20.5	20.3	21.3	20.7	21.2	22.9	23.7	23.2	22.4	24.4	22.9	25.0	24.1	26.4	24.9	26.9	26.6
582	4	F	17.2	17.8	18.4	19.7	20.7	21.2	22.4	21.9	23.2	23.2	23.2	24.5	25.7	24.2	24.7	25.1	27.8	25.8	25.9	27.5	28.[illegible]
583	4	F	13.2	16.1	18.2	18.9	19.6	20.2	21.5	21.8	21.8	22.8	23.7	23.5	23.9	23.8	24.7	24.2	26.3	26.1	26.6	27.5	27.5
584	4	F	14.0	16.4	17.5	18.4	18.8	19.2	19.9	21.3	20.9	21.0	20.9	21.7	21.8	22.2	21.5	22.4	22.7	24.4	23.4	23.9	24.7
585	4	F	16.6	18.2	19.8	20.0	21.0	21.8	23.0	23.4	23.3	24.3	25.5	24.9	24.4	25.7	25.4	25.8	26.6	27.4	28.7	29.2	31.8
586	4	F	15.0	17.8	18.3	19.1	19.6	20.7	20.8	21.6	22.6	23.5	23.0	24.7	22.9	24.1	23.6	24.0	24.8	26.6	25.3	25.9	26.3
587	4	F	16.7	18.0	19.6	20.0	20.0	21.0	21.5	21.0	21.7	22.9	23.2	23.4	22.7	24.1	24.0	24.1	25.1	24.3	26.2	25.7	25.6
588	4	F	17.2	18.7	19.7	20.4	20.3	22.5	21.4	22.4	24.5	23.4	25.2	25.7	26.2	27.8	25.8	28.3	28.7	27.7	30.7	29.4	28.8
589	4	F	17.8	18.3	19.1	19.5	20.0	21.4	21.1	21.8	22.8	23.8	24.1	24.0	24.5	24.7	24.5	24.9	25.2	26.3	26.8	27.8	28.1
590	4	F	16.8	18.2	19.5	20.8	21.7	21.3	22.6	22.5	22.6	23.9	24.1	23.4	25.2	24.2	23.8	26.2	24.7	27.2	25.8	26.6	26.4
591	4	F	16.2	17.4	17.9	18.7	18.8	19.4	20.1	20.7	20.8	22.2	21.9	23.1	23.5	24.1	22.9	23.6	24.6	26.4	24.9	28.2	27.3
592	4	F	18.3	18.6	18.6	19.7	20.4	21.1	20.9	22.1	22.4	22.2	22.2	23.1	23.2	24.1	23.8	25.2	24.9	25.5	25.1	26.7	26.8
593	4	F	16.8	19.0	19.5	20.3	21.4	21.9	21.4	22.9	25.1	24.0	23.6	24.7	24.2	24.6	25.9	25.8	27.5	26.2	26.2	30.2	28.8
594	4	F	16.5	17.9	18.7	19.6	20.7	21.5	21.5	22.8	23.1	23.8	23.7	24.0	23.4	24.1	25.0	25.2	26.3	26.9	27.7	28.8	28.7
595	4	F	17.0	17.9	19.1	20.1	20.1	21.1	21.3	22.8	22.3	22.9	22.5	24.0	24.1	24.1	24.5	25.5	25.6	26.3	25.4	28.6	28.4
596	4	F	17.0	17.8	19.4	19.7	19.7	21.6	21.0	24.0	22.6	22.0	24.2	25.3	25.0	25.4	25.0	26.1	27.3	26.5	27.4	28.6	28.8
597	4	F	18.2	18.3	19.2	20.1	20.7	20.8	22.2	22.2	22.5	22.8	23.8	23.2	23.9	24.2	23.6	24.8	25.1	27.2	26.2	27.1	26.5
598	4	F	19.5	20.4	20.9	23.4	22.4	23.4	24.6	24.9	26.9	25.5	28.2	26.6	27.0	29.6	28.4	31.2	32.6	30.9	32.4	35.1	33.9
599	4	F	16.8	19.2	19.0	19.7	20.1	21.6	20.9	22.3	21.9	23.6	22.7	23.6	23.7	24.0	23.5	25.0	23.7	24.8	25.0	27.0	25.5
600	4	F	15.8	17.4	18.3	19.2	19.2	20.6	20.0	20.5	21.6	22.2	22.8	22.9	22.8	23.5	23.9	24.1	24.6	25.2	24.8	26.6	26.1

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
1	1	M	35.7	36.3	37.2	37.9	39.3	39.7	39.4	41.4	40.7	40.3	40.8	40.6	41.0	---	---	---	---	---	---	---
2	1	M	37.6	38.9	40.2	40.7	42.8	43.1	43.2	43.8	43.1	43.1	43.4	43.3	43.9	44.4	42.8	43.4	45.7	45.9	47.2	47.9
3	1	M	31.6	31.6	32.2	32.4	33.7	32.9	32.9	34.9	34.2	33.8	33.0	34.5	34.0	35.1	32.8	34.0	35.0	34.5	35.1	36.0
4	1	M	34.3	34.0	36.1	35.7	37.5	36.2	36.5	36.7	36.5	36.4	37.6	36.2	36.7	---	---	---	---	---	---	---
5	1	M	33.3	33.4	35.1	34.4	36.5	36.1	36.1	37.2	36.3	36.6	37.0	36.9	37.9	37.8	36.7	38.4	39.8	39.2	39.8	40.9
6	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	1	M	32.4	34.1	34.5	35.1	35.1	35.9	37.2	38.2	37.4	38.6	39.8	39.2	40.1	39.9	40.7	40.4	40.9	40.6	41.4	41.6
8	1	M	38.4	39.6	40.8	40.3	41.1	42.9	43.4	43.8	44.2	45.0	45.7	46.0	46.0	46.4	47.1	46.9	47.8	48.3	48.6	49.0
9	1	M	31.9	33.0	33.5	33.3	33.8	35.1	35.6	36.2	35.7	36.5	36.5	36.8	36.7	36.7	37.6	38.3	38.9	38.9	39.7	40.5
10	1	M	33.9	34.4	36.1	36.4	36.6	38.1	38.3	35.9	34.7	34.7	34.8	35.2	35.7	34.7	35.3	35.4	35.9	37.3	36.4	37.0
11	1	M	37.7	39.1	38.9	39.2	39.5	39.9	40.3	40.8	41.2	42.6	41.9	42.2	42.1	42.1	39.8	40.5	42.7	42.0	43.6	43.1
12	1	M	38.4	39.1	39.6	40.3	41.2	41.3	41.9	41.6	42.0	42.4	42.8	43.5	42.2	---	---	---	---	---	---	---
13	1	M	35.8	36.4	36.4	36.5	37.0	37.5	37.2	37.9	38.4	38.7	39.6	39.2	38.8	40.5	39.5	40.1	40.2	39.7	41.3	41.0
14	1	M	35.6	36.8	37.4	37.1	38.6	37.9	38.7	38.9	39.1	39.4	37.3	38.2	37.6	36.7	34.9	36.7	38.2	37.8	39.4	39.4
15	1	M	35.2	36.2	36.3	36.9	38.6	37.9	37.3	38.2	38.1	38.4	37.6	38.1	36.9	38.2	35.9	37.0	37.4	37.0	37.0	36.7
16	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	1	M	44.2	45.9	47.2	46.9	47.6	49.2	49.5	48.9	48.4	49.5	49.6	49.9	49.0	49.6	49.9	48.8	49.4	50.9	50.4	51.5
18	1	M	33.0	33.1	33.5	33.2	34.1	33.8	35.3	34.6	35.6	35.8	35.3	36.3	35.3	---	---	---	---	---	---	---
19	1	M	32.3	32.3	32.1	33.4	34.4	32.1	33.5	33.2	33.7	33.7	34.0	33.5	34.2	33.7	33.1	33.7	34.3	34.2	34.5	34.6
20	1	M	34.8	36.0	36.0	36.8	37.7	38.0	39.5	38.5	38.6	38.6	38.4	39.4	38.5	38.7	37.1	37.0	38.3	38.7	38.3	39.3
21	1	M	40.5	42.4	42.6	43.3	44.4	45.4	46.4	45.0	44.8	46.0	45.3	45.7	46.7	---	---	---	---	---	---	---
22	1	M	34.9	36.1	36.6	37.4	39.4	40.4	40.6	40.8	39.1	40.0	42.0	42.1	42.2	43.3	43.6	44.4	44.7	45.6	46.2	46.5
23	1	M	41.1	41.4	42.1	41.7	42.5	43.0	44.0	43.2	43.7	44.3	44.9	44.6	45.2	45.9	46.0	46.2	47.8	47.8	49.3	49.3
24	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	1	M	34.3	35.9	36.4	36.9	38.3	38.8	40.0	39.1	38.8	40.7	41.0	40.1	40.7	42.0	42.0	42.6	43.7	43.2	44.9	45.0
26	1	M	36.1	37.9	38.0	37.8	38.2	39.2	40.3	40.6	40.0	41.0	40.5	41.4	41.6	---	---	---	---	---	---	---
27	1	M	35.5	36.7	38.0	38.3	38.2	39.1	40.4	39.9	39.7	40.7	39.7	40.7	41.4	42.1	42.4	42.6	42.5	43.0	42.9	42.2
28	1	M	45.5	48.1	49.7	48.8	49.2	49.6	50.8	50.6	50.3	50.8	51.9	51.1	51.4	52.6	51.3	52.9	53.4	53.7	53.7	52.9
29	1	M	34.6	36.6	37.2	37.2	37.3	37.9	38.8	37.4	38.3	38.5	38.1	39.2	39.4	40.1	40.4	40.6	41.7	41.2	41.4	41.4
30	1	M	33.9	35.9	37.5	37.1	37.5	38.7	39.4	39.7	38.6	40.6	39.9	39.5	40.8	41.6	41.8	42.3	43.2	42.3	43.6	43.7
31	1	M	40.6	42.6	43.8	44.7	45.4	46.2	46.2	46.1	45.9	46.8	46.8	45.5	46.0	47.6	47.3	48.0	47.4	48.4	48.5	49.8
32	1	M	36.8	36.5	36.4	37.0	37.4	37.6	38.0	39.6	37.8	39.1	40.1	39.5	38.7	---	---	---	---	---	---	---
33	1	M	40.4	42.2	42.8	43.6	44.1	45.1	45.8	45.7	45.5	45.3	45.7	46.1	45.9	47.1	47.1	47.7	48.3	48.6	49.5	49.6
34	1	M	36.9	38.0	39.1	39.6	40.1	40.4	42.1	43.3	42.6	43.9	43.6	44.3	45.5	45.8	45.7	46.2	45.6	48.2	48.8	49.4
35	1	M	35.2	36.5	35.4	35.6	35.6	35.3	36.1	37.2	36.2	37.5	37.5	37.5	37.6	38.9	39.5	39.5	39.4	41.1	42.1	42.7
36	1	M	34.4	34.8	35.9	35.6	36.6	36.4	37.4	37.3	37.7	38.5	39.4	39.6	38.6	---	---	---	---	---	---	---
37	1	M	31.9	32.5	32.3	31.7	35.0	33.7	34.3	33.4	32.8	32.4	35.6	35.1	33.6	35.3	36.3	36.7	37.2	38.1	38.1	38.2
38	1	M	34.3	35.8	33.5	33.2	32.5	33.3	34.2	---	---	---	---	---	---	---	---	---	---	---	---	---
39	1	M	44.3	45.1	45.5	44.4	44.8	44.6	46.1	45.0	43.4	45.5	46.8	47.1	46.2	46.6	46.9	47.7	47.7	48.1	48.0	47.1
40	1	M	36.4	36.9	35.2	35.0	38.9	36.6	38.2	38.1	37.6	37.4	40.1	39.9	38.6	39.8	39.9	40.6	40.7	41.3	41.0	41.0

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
41	1	M	35.6	35.5	35.5	35.5	36.6	36.9	34.8	35.7	36.1	35.9	36.8	36.7	35.9	37.0	36.2	36.7	36.9	37.3	37.6	37.4
42	1	M	35.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	1	M	35.5	35.1	36.4	33.9	35.8	35.6	36.3	36.3	35.7	35.5	37.9	36.0	---	---	---	---	---	---	---	---
44	1	M	36.5	37.9	40.0	38.7	38.6	38.5	39.4	37.8	39.4	38.4	40.0	39.3	39.5	---	---	---	---	---	---	---
45	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
46	1	M	33.8	35.9	36.0	36.5	38.4	39.7	40.3	40.1	40.5	40.4	41.0	41.7	40.8	42.2	41.7	41.7	41.9	42.8	43.3	43.4
47	1	M	33.1	33.5	34.1	33.6	35.0	34.5	35.5	36.3	35.7	35.9	36.1	36.7	35.9	35.8	35.1	36.7	37.6	37.4	38.0	37.4
48	1	M	33.0	33.4	33.7	33.4	34.1	34.4	35.1	36.0	35.5	35.6	36.0	36.6	35.6	37.1	35.5	36.8	37.3	37.7	37.9	37.2
49	1	M	29.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50	1	M	35.8	37.0	39.0	39.6	41.1	41.8	41.8	43.2	43.4	43.4	43.0	45.4	43.6	---	---	---	---	---	---	---
51	1	M	35.0	34.6	37.1	36.1	35.1	34.2	35.5	35.9	35.2	35.7	37.7	36.4	37.3	38.8	39.2	38.4	40.6	39.8	38.7	38.6
52	1	M	36.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
53	1	M	36.3	35.8	38.4	37.1	37.1	36.5	37.4	39.8	38.0	37.5	39.2	38.9	39.3	39.9	40.4	40.4	41.4	41.2	41.6	41.2
54	1	M	35.2	35.3	37.3	36.9	37.0	37.4	38.1	39.4	38.7	37.7	39.9	39.2	39.9	41.8	41.5	42.0	43.6	43.6	43.9	44.4
55	1	M	36.2	35.5	37.7	38.2	37.6	37.9	39.3	40.1	40.4	40.3	41.9	41.0	40.9	42.4	43.0	43.7	44.2	43.7	44.5	44.4
56	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
57	1	M	36.4	36.6	36.8	37.8	39.7	40.1	41.4	42.0	41.9	43.4	44.6	44.7	41.1	45.5	45.0	43.0	46.4	46.5	46.9	46.9
58	1	M	35.2	35.5	36.1	37.0	38.1	38.0	39.8	40.1	39.0	40.2	41.8	41.3	41.1	43.6	42.3	41.5	42.7	42.9	44.2	43.7
59	1	M	32.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
60	1	M	31.4	32.2	32.7	33.0	33.9	34.1	35.0	34.2	33.3	34.7	35.0	34.2	33.9	35.5	35.6	35.0	37.4	37.2	37.6	36.7
61	1	M	39.5	39.3	40.7	40.6	41.5	42.7	41.5	43.1	42.9	41.0	45.0	45.0	44.5	46.3	47.4	47.3	48.3	49.1	49.6	50.2
62	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
63	1	M	37.3	36.9	38.3	38.1	39.8	40.7	40.4	40.9	41.4	42.3	42.6	43.1	42.7	44.2	44.3	44.9	45.9	46.9	46.4	46.9
64	1	M	35.9	35.8	38.0	37.6	37.8	38.1	38.6	38.9	39.0	39.3	39.0	39.3	39.0	40.4	39.9	40.1	40.3	40.8	40.3	40.9
65	1	M	36.7	36.1	37.5	36.5	38.0	39.1	38.3	40.2	40.2	41.4	41.8	41.4	40.8	42.6	42.8	43.4	44.3	43.8	43.5	44.3
66	1	M	39.9	40.9	42.9	42.9	43.7	44.6	45.6	45.9	45.8	45.7	46.8	46.8	44.4	48.1	47.7	48.0	48.6	48.7	47.8	47.1
67	1	M	36.5	37.3	38.8	38.0	39.6	39.5	41.3	41.7	42.2	43.7	44.3	43.9	44.3	44.1	44.1	44.0	45.2	43.6	42.7	42.5
68	1	M	47.0	48.5	50.1	48.3	48.5	50.0	49.9	50.2	50.0	50.9	51.4	50.6	51.5	48.5	49.7	49.5	51.4	50.6	52.2	51.8
69	1	M	38.0	38.4	40.2	39.9	40.0	41.9	42.6	43.4	43.4	43.8	44.9	44.8	44.8	46.0	45.1	45.6	46.8	45.9	45.2	44.7
70	1	M	43.0	44.2	46.3	45.2	46.8	46.9	48.2	48.4	48.1	49.4	48.9	48.5	48.8	47.4	49.1	50.0	51.4	50.1	49.9	50.4
71	1	M	33.8	34.5	34.0	35.0	35.7	35.7	35.4	37.5	36.7	38.3	36.9	37.3	38.8	37.8	39.6	38.4	38.4	38.3	39.4	40.3
72	1	M	33.0	34.3	33.7	33.8	34.1	34.1	35.1	36.1	34.6	37.0	37.2	36.1	36.4	35.9	38.2	37.2	36.3	37.4	38.2	39.4
73	1	M	37.5	38.5	38.4	37.3	36.7	38.8	40.1	41.0	39.4	40.7	41.0	41.0	41.6	41.2	42.5	42.0	42.1	42.6	43.4	44.8
74	1	M	32.9	33.5	34.1	33.3	34.0	33.9	34.7	36.0	35.7	35.9	36.6	36.4	35.9	35.9	37.9	37.1	37.6	36.9	38.2	38.9
75	1	M	33.8	33.6	34.2	33.1	33.8	35.3	36.1	37.8	37.0	37.6	38.7	38.5	38.8	38.0	38.1	38.0	38.6	38.4	39.0	39.8
76	1	F	29.3	28.6	28.7	30.1	29.1	32.2	32.6	31.9	32.4	33.4	31.4	33.3	33.6	34.1	35.5	33.8	38.2	31.7	37.9	33.9
77	1	F	30.9	34.2	34.7	33.5	37.6	37.4	35.3	40.2	40.8	40.0	42.3	41.5	43.2	44.7	42.9	46.3	43.5	46.7	43.7	46.3
78	1	F	29.1	30.4	29.0	31.5	32.9	34.4	33.3	34.5	35.2	37.8	35.6	37.4	38.6	35.2	37.9	39.3	39.4	38.2	39.5	41.7
79	1	F	23.9	24.0	25.0	24.8	26.5	25.8	28.0	27.6	28.9	28.6	30.4	28.6	30.1	31.9	30.0	32.9	33.2	33.9	32.6	34.1
80	1	F	31.6	34.0	33.5	33.6	35.2	37.2	39.0	36.1	37.8	37.7	40.1	39.4	40.2	41.3	39.8	42.4	42.4	45.3	44.8	43.6

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
81	1	F	33.5	33.7	33.1	33.3	36.0	36.1	35.4	39.1	37.2	42.2	39.8	40.4	41.6	42.4	41.6	44.5	41.0	44.7	45.5	45.2
82	1	F	29.8	30.4	30.1	31.7	31.8	33.9	34.5	35.7	35.6	37.0	36.6	37.9	37.7	36.4	37.5	37.6	38.7	39.2	40.6	40.9
83	1	F	27.1	27.8	27.8	30.4	30.5	29.2	31.6	30.1	32.0	32.9	35.9	33.3	33.6	34.7	34.4	36.3	39.6	35.9	39.6	37.7
84	1	F	28.9	29.7	32.9	32.8	30.3	31.3	31.9	32.7	32.5	37.7	34.3	34.8	36.8	---	---	---	---	---	---	---
85	1	F	30.3	30.5	32.8	33.2	32.8	34.3	31.8	32.9	34.4	35.0	35.2	34.7	37.2	36.2	36.2	37.6	38.0	38.1	38.9	36.2
86	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
87	1	F	26.7	26.3	28.4	27.4	29.4	29.4	31.6	29.4	32.7	29.4	34.0	30.3	30.9	33.5	34.0	34.9	35.0	37.1	35.2	35.3
88	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
89	1	F	29.7	30.4	32.3	33.5	35.0	32.8	32.6	34.4	35.1	36.0	36.0	36.6	35.9	38.4	36.3	38.8	40.4	40.1	39.3	41.9
90	1	F	23.3	24.2	24.5	24.4	25.8	24.5	25.8	25.9	24.4	24.9	25.2	25.4	24.7	26.4	25.6	27.3	26.4	26.2	27.4	25.9
91	1	F	33.2	33.7	33.0	35.0	35.0	37.7	39.0	37.4	37.9	39.8	37.6	38.8	40.0	42.4	40.5	41.5	43.7	42.4	41.6	43.3
92	1	F	26.9	26.1	27.3	27.6	26.8	28.9	28.9	29.7	31.6	29.8	32.4	31.3	29.7	32.7	31.0	34.0	33.2	34.6	35.1	34.8
93	1	F	27.7	30.8	29.1	29.0	31.3	29.6	30.6	32.5	29.8	34.9	32.6	31.8	33.2	34.4	36.6	35.2	35.6	35.4	39.0	36.1
94	1	F	35.3	36.7	38.2	39.1	37.9	39.4	40.9	42.2	42.4	44.0	43.7	44.8	44.9	45.3	42.8	44.0	43.7	42.8	42.6	43.4
95	1	F	27.0	26.1	27.9	27.1	28.5	29.1	29.2	29.0	29.8	31.0	31.9	33.1	32.9	34.4	35.2	36.1	36.2	36.3	38.8	36.4
96	1	F	33.2	33.6	35.2	39.1	36.7	38.9	39.1	39.2	38.1	42.5	39.8	40.0	42.6	43.0	41.8	45.1	42.8	43.4	44.3	45.2
97	1	F	32.3	33.3	35.5	33.5	34.9	36.2	36.7	36.2	38.0	38.5	37.8	38.1	39.8	39.3	40.3	39.4	40.8	38.9	40.3	38.7
98	1	F	29.3	33.2	32.7	32.3	33.7	35.7	36.1	36.2	35.2	35.8	36.5	34.7	35.6	37.5	40.2	37.0	42.1	40.1	43.0	40.7
99	1	F	34.6	36.1	35.1	37.4	41.0	38.8	40.4	40.5	40.5	40.6	39.2	41.0	42.2	43.7	41.0	42.7	44.2	45.3	42.8	44.5
100	1	F	32.5	33.7	36.5	34.7	38.0	36.9	39.9	38.1	37.8	40.5	39.0	41.8	39.0	42.4	42.1	40.9	42.4	44.2	42.0	42.8
101	1	F	30.9	35.1	33.5	34.0	34.0	34.7	38.6	37.1	40.2	37.8	39.8	39.5	38.3	40.4	40.5	42.0	41.7	41.5	42.8	44.4
102	1	F	24.8	27.7	25.0	25.8	27.0	29.1	28.4	27.2	27.2	30.1	28.2	28.1	28.1	30.1	30.2	31.9	30.1	30.0	31.7	30.1
103	1	F	34.1	36.1	35.8	36.9	36.3	38.6	36.4	39.4	36.2	38.7	38.3	37.9	39.6	40.3	39.5	42.6	40.2	40.5	41.7	41.7
104	1	F	30.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
105	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
106	1	F	24.7	25.9	25.2	24.5	26.8	26.9	26.9	26.9	27.2	27.8	27.4	29.2	28.3	28.8	27.5	29.1	30.1	28.6	28.8	30.6
107	1	F	32.4	31.5	31.9	32.8	34.7	36.0	35.5	35.7	37.6	38.5	38.6	37.5	39.2	41.2	39.4	40.3	42.9	42.2	43.1	40.5
108	1	F	27.0	30.1	30.5	29.0	29.7	32.3	32.4	32.2	32.6	33.1	33.2	34.7	34.9	37.0	35.9	36.0	36.7	38.1	38.6	37.2
109	1	F	35.7	38.6	39.0	39.3	41.4	41.0	43.1	43.0	44.9	46.7	43.4	45.5	46.0	47.0	48.1	51.5	50.2	52.3	51.0	52.8
110	1	F	30.1	32.0	34.8	32.6	33.8	35.3	34.0	38.1	38.0	34.8	36.3	38.3	38.7	38.6	41.4	36.7	42.9	38.8	41.8	43.8
111	1	F	31.5	32.0	31.5	33.4	33.5	37.7	36.2	36.9	37.7	40.6	36.3	38.1	37.4	---	---	---	---	---	---	---
112	1	F	27.8	27.4	29.0	28.3	29.5	29.1	31.2	30.4	32.0	31.3	32.8	33.8	30.8	33.1	32.9	34.9	33.8	34.6	35.4	36.6
113	1	F	29.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
114	1	F	28.9	28.2	29.3	28.3	30.3	28.7	28.4	28.7	28.6	33.1	29.0	30.5	29.9	31.2	31.6	29.9	34.1	32.8	31.3	33.6
115	1	F	41.6	30.2	30.3	33.3	35.5	34.9	35.6	37.2	35.9	37.6	35.3	37.6	37.7	38.8	37.0	39.8	39.3	41.1	39.9	42.0
116	1	F	28.5	27.9	32.3	29.7	30.2	31.4	30.7	30.7	32.7	36.5	33.6	37.1	33.8	---	---	---	---	---	---	---
117	1	F	29.8	31.0	31.6	33.2	33.2	35.5	36.4	38.2	37.5	38.2	39.0	39.7	40.6	39.5	41.9	42.7	43.7	44.3	42.6	44.7
118	1	F	26.3	26.4	28.5	27.6	27.4	29.2	28.7	31.3	28.1	30.9	29.8	31.9	33.2	34.1	32.4	36.0	36.7	34.8	37.3	35.2
119	1	F	31.2	29.2	29.0	30.8	30.6	33.0	35.7	31.8	32.0	35.0	33.7	34.3	36.2	34.0	34.3	36.8	34.0	35.8	34.3	36.3
120	1	F	26.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
121	1	F	29.2	30.0	31.7	30.1	30.6	32.3	31.0	32.8	32.1	33.8	35.5	35.4	36.1	---	---	---	---	---	---	---
122	1	F	35.6	34.2	35.9	36.2	35.2	35.2	35.4	37.4	36.0	37.1	38.6	39.0	36.8	36.4	38.8	39.6	40.3	41.0	41.1	41.0
123	1	F	25.4	28.9	26.6	28.1	27.1	28.5	28.1	30.4	27.6	29.0	29.8	28.8	30.7	---	---	---	---	---	---	---
124	1	F	28.1	26.5	28.6	28.4	28.2	30.1	29.5	31.4	30.7	31.7	32.0	31.6	32.1	---	---	---	---	---	---	---
125	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
126	1	F	28.2	27.9	28.4	28.4	28.8	28.3	28.4	29.6	28.2	30.7	30.2	31.2	28.4	---	---	---	---	---	---	---
127	1	F	27.1	25.4	26.1	27.6	27.9	29.0	28.9	28.5	29.5	30.1	31.0	28.6	30.2	30.6	31.4	30.3	29.1	26.4	25.6	26.4
128	1	F	31.1	34.8	32.8	33.9	35.1	34.0	35.7	38.6	35.6	37.5	40.6	38.2	39.5	38.3	39.8	40.4	40.7	40.1	41.6	42.5
129	1	F	31.4	32.5	36.1	34.6	34.9	36.0	38.1	39.5	38.4	40.0	39.9	40.1	39.1	39.6	39.6	40.0	40.4	40.8	41.9	41.5
130	1	F	25.8	26.0	26.9	27.2	27.6	27.5	29.3	29.8	29.6	31.8	31.9	29.6	30.8	31.2	30.8	31.4	31.7	31.9	32.1	31.7
131	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
132	1	F	31.1	34.4	30.9	31.8	32.3	34.2	36.5	34.1	37.5	36.5	37.8	36.2	38.6	39.5	40.0	39.7	40.1	39.5	41.5	40.8
133	1	F	32.3	34.7	33.5	34.8	35.1	36.7	36.[illegible]	37.1	37.3	39.1	38.0	37.3	37.6	38.7	39.4	37.9	41.7	42.1	41.6	42.1
134	1	F	29.9	30.8	30.3	31.9	34.6	32.9	36.0	34.2	36.5	34.9	36.4	36.6	35.9	38.7	35.5	40.8	39.5	40.8	39.8	42.1
135	1	F	29.2	28.2	29.3	30.1	31.3	30.4	30.1	30.2	32.5	33.7	33.2	32.6	33.6	33.9	33.2	35.7	35.6	36.6	35.1	35.7
136	1	F	31.3	30.5	32.9	32.3	31.5	34.8	34.1	37.5	34.0	39.2	40.4	39.9	41.6	43.1	43.6	42.6	43.0	43.3	44.2	44.1
137	1	F	27.8	28.1	28.8	29.0	32.2	31.3	30.9	32.5	31.1	35.6	35.2	33.2	33.7	35.7	35.4	37.6	37.4	39.7	37.1	38.3
138	1	F	25.9	25.2	27.2	26.8	27.6	26.8	28.4	29.9	28.2	28.5	30.0	29.0	30.9	---	---	---	---	---	---	---
139	1	F	31.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
140	1	F	27.6	26.8	29.3	31.0	29.5	29.6	30.5	31.0	32.4	29.8	31.4	33.9	32.0	31.9	34.3	32.9	32.5	36.9	35.1	34.6
141	1	F	29.6	31.6	31.2	31.0	33.3	32.1	34.3	33.5	33.6	36.1	36.5	37.7	38.5	37.4	40.5	38.7	40.0	38.6	42.0	39.5
142	1	F	30.3	31.0	30.7	32.2	32.6	33.6	34.2	35.3	34.7	36.5	36.3	37.7	36.2	---	---	---	---	---	---	---
143	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
144	1	F	28.2	29.2	30.6	29.6	30.9	31.3	33.0	33.2	33.2	34.1	34.4	35.5	35.8	34.9	36.4	34.2	36.2	36.5	36.7	37.8
145	1	F	30.0	32.2	31.4	31.4	33.9	34.9	33.1	35.5	34.6	36.1	38.3	35.5	36.9	---	---	---	---	---	---	---
146	1	F	28.8	30.1	32.4	29.4	31.5	30.5	32.5	30.5	31.3	34.0	31.9	35.6	36.0	34.4	35.0	37.6	36.6	34.3	37.9	33.5
147	1	F	30.2	32.5	34.2	30.5	31.4	35.5	34.0	35.6	35.7	36.6	36.2	37.0	40.2	38.4	42.7	41.6	40.5	42.5	43.2	42.0
148	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
149	1	F	30.4	30.0	31.3	31.9	31.4	32.2	34.1	33.8	35.3	37.4	35.4	36.6	37.5	35.8	37.8	38.0	40.0	39.4	40.[illegible]	38.4
150	1	F	28.8	32.6	33.8	33.0	33.8	34.9	36.7	36.6	36.6	38.2	36.9	37.0	38.7	38.9	40.5	40.3	41.6	42.0	43.0	41.1
151	2	M	33.8	32.8	34.0	34.6	35.5	36.8	36.9	38.1	37.4	38.5	38.6	38.9	39.6	39.5	39.0	40.1	40.0	40.4	41.6	41.7
152	2	M	34.5	35.3	36.1	36.9	37.6	38.0	39.5	40.2	40.7	41.6	41.6	41.8	41.8	42.9	42.2	42.6	43.0	43.3	43.6	42.7
153	2	M	44.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
154	2	M	34.6	35.7	36.1	36.1	36.9	36.9	37.5	37.9	37.9	37.6	38.6	38.6	37.6	38.5	38.9	38.4	37.9	37.9	38.4	37.6
155	2	M	41.0	40.4	40.6	40.1	40.5	41.8	42.0	41.5	41.5	42.1	41.9	42.1	42.3	44.8	44.4	43.6	43.8	44.1	41.0	43.2
156	2	M	38.5	38.3	37.6	40.1	38.6	40.4	41.0	42.0	44.1	42.1	41.9	42.3	42.0	43.2	42.4	44.0	44.5	44.8	45.6	45.9
157	2	M	35.3	36.0	36.6	37.5	36.5	38.9	39.3	39.5	39.9	40.4	40.2	40.6	40.3	41.4	41.6	42.9	43.0	43.5	44.5	43.9
158	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
159	2	M	37.2	38.5	39.6	40.4	39.2	41.3	41.4	42.7	39.9	42.3	43.0	42.9	41.6	43.3	43.0	44.9	45.2	44.8	46.0	45.1
160	2	M	36.4	36.8	37.6	37.6	38.6	39.7	40.2	40.8	40.9	41.6	41.5	41.8	41.7	42.1	42.2	42.9	42.6	41.0	42.4	42.9

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
161	2	M	42.3	45.1	45.0	45.4	47.0	46.7	47.0	46.7	46.7	47.5	48.3	46.9	47.3	47.5	48.4	48.5	49.7	47.8	48.3	48.4
162	2	M	34.8	36.5	36.4	36.5	37.7	38.2	38.7	38.2	38.5	39.4	39.9	38.2	37.4	39.0	40.0	39.1	40.1	40.5	42.3	43.7
163	2	M	35.1	35.6	36.4	36.5	37.8	39.0	39.7	39.2	39.4	40.1	39.8	39.9	39.8	40.4	41.9	40.9	42.4	41.8	42.6	43.5
164	2	M	39.1	41.3	41.6	42.0	43.9	44.2	44.4	44.0	44.8	45.7	46.3	44.9	45.0	45.7	46.9	47.2	47.9	47.8	48.8	49.2
165	2	M	33.2	34.4	33.2	33.5	35.2	35.5	36.3	35.5	36.3	37.5	37.4	36.5	34.6	35.9	36.3	36.1	36.9	36.2	37.4	38.0
166	2	M	37.1	37.4	38.1	37.1	39.2	39.0	38.5	39.7	39.7	39.7	38.0	36.9	38.4	40.0	39.4	40.0	40.2	39.6	40.6	40.6
167	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
168	2	M	37.0	37.5	38.4	37.7	38.3	39.0	38.8	40.0	40.3	40.4	40.5	39.7	41.2	41.7	41.2	41.8	42.0	42.3	42.7	42.9
169	2	M	40.9	40.9	42.0	40.4	42.8	43.4	42.9	43.8	43.7	42.9	41.0	41.5	43.6	45.1	45.2	45.6	46.6	47.0	47.1	47.0
170	2	M	41.7	41.8	43.3	41.6	43.9	44.7	42.8	44.5	43.5	44.2	43.8	41.4	44.8	---	---	---	---	---	---	---
171	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
172	2	M	34.1	34.1	33.6	31.3	34.8	33.3	33.6	35.3	34.7	35.2	35.8	35.5	34.5	34.7	36.6	36.8	37.3	38.2	38.8	38.3
173	2	M	38.5	40.2	41.2	40.7	40.8	41.1	42.0	43.1	42.6	43.4	43.2	43.1	43.2	---	---	---	---	---	---	---
174	2	M	37.2	38.4	37.8	36.6	37.0	37.0	38.8	39.8	39.0	39.4	39.7	39.3	40.4	39.0	39.8	39.6	40.3	40.6	41.4	41.8
175	2	M	36.6	38.3	38.0	37.3	37.8	37.9	39.7	40.1	39.4	39.8	40.0	39.5	39.7	---	---	---	---	---	---	---
176	2	M	35.9	35.4	36.8	36.6	36.6	36.0	36.1	35.9	35.7	36.7	36.6	38.1	36.2	37.6	36.9	37.3	38.4	39.0	39.0	38.5
177	2	M	36.2	35.7	36.2	35.9	36.9	37.7	37.3	38.1	38.0	37.5	37.4	38.4	38.9	39.5	39.5	39.9	39.8	41.2	41.1	41.2
178	2	M	34.9	34.8	35.0	34.9	35.7	35.6	36.2	36.2	35.8	36.2	36.1	36.7	37.1	37.5	35.8	36.6	36.8	38.3	38.4	37.8
179	2	M	38.4	40.1	38.2	37.4	38.8	39.1	39.8	40.8	40.8	40.6	41.5	42.3	41.8	42.8	42.0	43.3	44.4	45.4	45.4	45.0
180	2	M	34.8	34.4	35.0	34.1	34.5	34.9	35.4	35.8	36.0	36.1	36.6	36.8	35.9	36.5	36.8	38.2	38.1	39.1	39.1	38.6
181	2	M	37.8	38.9	39.9	40.2	41.3	42.7	42.8	43.8	43.5	42.6	42.9	44.6	43.6	45.4	45.4	46.8	47.7	47.4	48.6	48.8
182	2	M	35.6	36.3	37.3	36.4	38.1	39.3	40.0	41.0	40.7	40.1	40.6	41.7	40.0	40.5	40.8	40.5	41.8	41.8	43.7	43.2
183	2	M	35.8	35.5	36.0	36.3	38.1	38.1	39.1	39.0	38.9	39.5	40.1	41.2	40.1	---	---	---	---	---	---	---
184	2	M	35.7	35.5	36.1	36.0	36.3	38.2	38.1	38.6	38.8	38.8	39.8	41.0	39.8	40.5	41.1	40.0	41.3	41.5	43.0	43.6
185	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
186	2	M	40.6	39.8	40.3	40.4	41.4	41.6	43.6	43.7	44.6	44.9	44.6	44.6	42.3	46.0	45.0	45.1	45.3	45.9	45.8	45.9
187	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
188	2	M	34.9	34.6	35.6	34.3	35.4	36.8	38.5	39.2	39.3	39.2	40.5	40.4	40.7	---	---	---	---	---	---	---
189	2	M	33.9	33.9	35.0	34.5	35.9	36.9	38.1	38.8	38.7	39.0	40.5	36.7	37.8	38.5	38.4	39.3	40.0	39.4	40.8	40.8
190	2	M	41.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
191	2	M	32.7	33.2	34.1	34.6	35.1	35.5	35.7	35.9	36.4	36.3	36.2	35.9	36.1	36.5	36.6	36.7	37.0	36.8	36.9	37.5
192	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
193	2	M	37.7	39.1	39.7	39.9	40.9	41.8	41.4	39.9	39.7	41.1	41.7	43.5	43.8	45.4	46.4	47.8	48.0	48.6	49.0	48.6
194	2	M	32.4	34.3	35.3	33.8	35.1	35.2	35.5	34.8	35.2	35.7	37.2	37.5	38.4	38.6	37.2	32.1	30.1	32.4	33.6	35.2
195	2	M	36.4	37.0	39.0	38.3	39.4	40.2	42.0	41.6	41.4	41.7	43.2	43.6	43.7	44.5	44.9	44.6	45.7	45.8	46.6	47.1
196	2	M	35.4	36.3	37.4	37.7	38.8	39.1	40.0	40.9	40.4	41.1	41.2	42.1	41.3	---	---	---	---	---	---	---
197	2	M	35.4	36.2	36.4	36.2	37.5	37.9	37.5	37.8	36.8	38.3	37.9	39.3	38.3	39.2	39.0	39.1	40.6	40.8	40.5	41.0
198	2	M	34.3	35.3	35.2	34.9	36.1	35.7	35.5	36.6	35.7	36.6	37.4	37.6	36.1	---	---	---	---	---	---	---
199	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
200	2	M	33.7	34.2	34.7	35.0	35.7	36.8	37.0	36.6	36.3	37.2	37.2	37.8	36.9	37.7	36.8	36.9	37.4	37.3	38.3	38.9

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TRT GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
201	2	M	39.0	39.3	39.6	39.3	39.2	39.7	39.7	40.8	41.0	42.1	43.0	44.1	41.7	---	---	---	---	---	---	---
202	2	M	41.1	42.0	43.0	43.3	44.7	44.8	45.6	46.3	46.0	47.5	48.8	48.9	45.6	---	---	---	---	---	---	---
203	2	M	37.1	38.4	39.1	38.3	38.7	39.0	39.4	40.9	40.2	40.7	41.7	42.4	40.8	41.0	40.6	41.2	40.9	42.8	41.8	42.4
204	2	M	35.9	35.8	34.8	33.4	32.8	30.8	31.1	30.5	27.9	28.5	27.0	---	---	---	---	---	---	---	---	---
205	2	M	35.9	37.0	39.3	39.2	39.5	40.6	40.6	41.1	40.6	41.5	42.4	42.4	39.9	41.4	41.6	42.2	40.8	41.5	42.6	43.3
206	2	M	39.8	41.5	41.9	41.3	44.2	42.9	43.6	44.4	42.8	42.8	43.4	42.8	43.0	43.2	43.2	44.7	45.7	46.2	44.9	43.4
207	2	M	34.4	35.4	35.7	36.5	37.8	37.6	38.0	36.8	37.3	37.6	38.6	38.0	38.4	39.4	39.5	40.4	41.6	41.4	40.4	42.6
208	2	M	41.1	42.4	42.9	43.1	45.0	44.5	45.0	44.7	44.8	44.6	45.0	43.7	45.7	46.9	46.4	47.5	48.4	47.2	46.8	48.1
209	2	M	38.5	40.0	40.3	40.8	43.3	42.2	42.5	36.3	20.8	---	---	---	---	---	---	---	---	---	---	---
210	2	M	37.9	39.0	38.6	38.9	40.8	40.1	40.1	41.7	40.9	41.0	42.1	40.8	41.0	42.8	42.6	43.6	44.5	44.5	43.4	44.5
211	2	M	37.0	37.4	36.3	37.4	39.3	41.3	41.9	42.3	42.0	43.2	44.0	43.8	43.4	45.5	42.8	42.1	42.3	45.4	45.4	47.0
212	2	M	30.5	30.8	31.1	31.6	31.9	32.7	32.5	32.8	32.5	33.0	33.2	33.4	32.5	34.3	33.3	33.2	34.2	34.8	34.6	35.0
213	2	M	30.8	30.6	31.2	32.1	32.3	33.0	32.5	33.9	33.2	33.7	34.6	34.4	33.4	---	---	---	---	---	---	---
214	2	M	31.0	31.5	31.2	31.3	31.7	32.4	32.1	32.1	32.8	32.9	33.2	33.2	32.8	33.2	32.0	32.2	32.4	32.5	33.4	33.6
215	2	M	32.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
216	2	M	33.0	32.9	33.1	32.8	33.2	34.0	34.0	34.9	33.7	33.8	35.5	35.8	34.6	35.2	35.4	34.4	36.6	37.3	38.2	37.9
217	2	M	31.6	31.3	32.2	33.2	33.0	33.6	34.5	35.1	34.5	35.2	35.9	36.2	36.1	37.1	37.5	37.0	37.8	38.0	38.8	39.0
218	2	M	37.1	38.9	38.8	38.3	39.8	42.3	42.5	42.9	43.6	43.8	45.8	45.0	42.5	45.3	46.0	45.8	46.7	47.1	47.5	48.2
219	2	M	38.4	39.9	41.6	41.7	43.0	43.4	43.5	44.1	42.0	43.4	43.2	43.4	39.8	44.7	43.7	43.7	45.0	46.5	47.7	46.7
220	2	M	39.4	40.9	42.7	40.9	41.3	44.2	45.3	45.7	44.6	45.4	46.1	46.2	45.5	46.6	46.9	45.2	45.9	46.6	46.5	45.6
221	2	M	31.8	31.9	33.5	33.9	34.9	36.4	37.2	37.1	37.2	37.9	39.2	39.7	39.2	38.5	40.3	40.9	41.0	41.5	42.3	42.5
222	2	M	35.0	36.4	37.6	38.0	39.0	40.3	41.0	40.9	40.1	39.6	40.6	40.6	41.1	41.7	42.4	42.9	43.2	43.4	43.9	43.4
223	2	M	36.5	37.7	38.9	38.1	39.5	40.0	41.2	40.8	41.1	41.4	42.2	41.4	41.8	41.1	40.9	41.4	41.4	41.9	42.6	42.3
224	2	M	42.8	43.4	44.0	44.9	46.0	46.3	47.2	46.7	46.4	47.6	47.1	47.2	47.9	48.6	48.3	48.9	48.7	48.7	49.2	48.7
225	2	M	42.8	42.9	45.7	45.5	46.5	46.9	47.8	47.8	47.2	48.3	48.0	48.2	48.8	48.5	49.9	49.5	50.1	51.1	51.1	51.1
226	2	F	36.0	39.8	35.8	38.4	40.2	39.2	42.1	43.2	43.5	41.9	41.5	41.3	44.6	43.7	45.7	44.0	46.7	46.9	47.9	50.6
227	2	F	29.5	32.7	31.2	31.1	35.0	32.8	34.1	36.2	32.7	35.5	35.7	35.8	37.1	38.2	36.8	38.1	39.5	40.9	38.2	40.6
228	2	F	28.4	30.0	28.8	32.0	31.4	31.8	35.4	34.4	32.9	32.8	36.1	36.2	34.6	34.7	36.8	35.6	35.6	37.8	36.0	37.4
229	2	F	28.6	31.2	31.8	30.8	30.9	33.2	33.4	34.1	36.1	33.9	34.4	34.9	35.9	36.2	34.8	37.2	39.2	36.6	37.7	37.8
230	2	F	35.0	33.1	35.1	35.4	37.2	36.8	37.6	39.6	37.4	38.0	40.6	39.8	41.5	43.8	41.9	44.8	47.0	47.4	47.6	48.3
231	2	F	34.2	30.8	33.1	34.5	38.6	37.1	35.3	38.0	38.5	37.8	39.6	39.8	40.8	41.8	38.9	43.5	41.4	41.8	42.3	46.4
232	2	F	30.8	33.4	30.8	34.6	32.7	33.9	34.0	34.7	35.1	37.0	35.4	37.0	36.6	---	---	---	---	---	---	---
233	2	F	31.1	30.5	31.4	32.9	32.6	34.5	34.0	34.1	36.0	35.8	34.7	36.1	35.3	---	---	---	---	---	---	---
234	2	F	25.8	27.4	28.7	28.0	28.0	29.1	27.9	28.6	28.4	29.0	30.2	29.7	29.8	28.8	31.1	30.1	29.7	31.7	32.8	35.2
235	2	F	31.9	28.8	31.6	31.8	33.7	35.2	33.6	36.5	35.7	37.9	36.2	38.9	37.1	37.8	39.2	37.7	40.2	41.5	39.0	40.4
236	2	F	30.8	32.0	35.1	35.0	38.2	33.7	38.2	38.4	38.4	39.9	39.7	41.1	40.8	43.8	39.6	41.8	44.6	44.0	46.0	45.6
237	2	F	28.5	27.8	28.9	31.2	31.2	31.2	32.2	33.8	31.8	34.1	35.2	36.6	36.5	37.9	36.1	38.0	39.1	38.2	39.0	40.8
238	2	F	31.5	34.6	33.8	35.6	34.8	37.1	34.6	37.6	38.1	37.4	40.1	39.6	39.8	38.7	38.9	40.5	41.3	42.5	43.2	44.7
239	2	F	34.6	33.8	36.8	36.7	39.5	36.9	40.4	38.7	42.2	41.1	42.5	42.5	42.2	43.5	43.3	43.0	44.2	44.2	45.8	45.5
240	2	F	30.3	33.7	33.8	32.7	35.4	34.1	34.1	38.8	35.2	37.4	39.5	38.1	38.5	40.0	42.9	40.9	41.7	42.4	42.8	43.5

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

ANIMAL NUMBER	[illegible]	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
241	2	F	27.6	29.2	29.2	29.9	31.0	30.7	30.2	31.2	31.6	32.6	32.4	32.9	34.5	32.1	34.2	34.3	33.7	34.9	34.3	35.8
242	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
243	2	F	28.9	31.9	31.2	32.8	34.7	36.5	37.5	34.0	36.9	40.4	37.3	38.8	40.4	42.2	40.4	42.1	42.6	41.2	44.2	45.5
244	2	F	24.0	26.2	25.5	26.6	25.3	27.7	27.0	26.3	27.9	28.4	28.9	31.1	29.8	30.3	30.4	32.8	32.1	33.7	34.2	34.3
245	2	F	35.8	37.3	37.4	36.7	41.5	41.3	40.3	41.2	41.7	43.6	41.8	45.2	45.5	44.9	47.7	46.4	47.6	45.9	41.1	48.5
246	2	F	27.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
247	2	F	32.0	32.4	31.1	35.9	33.9	32.8	35.9	35.9	36.5	39.2	37.8	36.0	36.4	39.1	37.9	38.7	41.5	41.5	42.5	40.6
248	2	F	30.1	32.2	32.7	34.6	37.4	34.8	36.8	38.8	38.1	38.8	40.9	39.1	42.7	39.6	41.6	43.6	44.6	43.3	44.7	40.4
249	2	F	35.6	34.1	33.2	35.0	39.2	36.0	42.0	39.9	41.4	40.2	40.9	44.7	43.4	46.0	43.7	47.4	46.4	48.0	46.4	47.3
250	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
251	2	F	27.3	28.7	27.8	29.5	30.2	33.7	31.4	32.4	34.0	31.9	35.1	33.6	30.0	37.4	35.1	35.2	36.9	39.4	38.4	37.9
252	2	F	27.7	30.4	30.4	31.5	30.5	31.1	30.7	31.9	31.0	32.5	34.0	33.5	34.2	35.3	36.3	36.1	36.0	35.2	38.4	36.4
253	2	F	34.5	38.2	39.1	39.2	38.8	43.6	40.9	43.6	40.8	42.9	42.1	44.3	46.8	45.5	45.9	47.6	45.5	49.8	46.9	51.8
254	2	F	30.0	32.3	35.2	33.1	35.9	37.4	34.6	39.0	41.4	40.2	38.9	40.9	41.9	---	---	---	---	---	---	---
255	2	F	28.6	28.3	31.0	30.3	32.0	32.0	32.5	32.5	35.5	32.8	33.6	34.9	35.0	35.7	34.4	34.4	36.4	33.4	35.8	36.3
256	2	F	30.1	31.2	30.0	30.9	32.2	32.5	39.3	34.1	36.8	36.3	35.5	36.6	37.1	38.7	39.1	41.0	39.6	41.5	41.8	42.9
257	2	F	23.9	25.9	27.8	24.7	25.2	24.9	25.2	26.8	25.6	26.2	25.8	25.8	26.1	---	---	---	---	---	---	---
258	2	F	31.4	32.1	34.5	34.0	37.6	35.6	36.6	36.9	38.6	38.2	40.4	38.1	39.5	38.9	41.4	41.4	41.0	43.2	46.3	44.2
259	2	F	28.8	28.4	29.2	28.3	30.3	30.3	33.4	31.6	33.4	32.5	33.6	31.2	31.8	31.5	33.3	32.9	33.0	36.4	35.6	37.0
260	2	F	25.9	27.4	26.5	29.4	26.4	31.0	29.2	30.8	29.7	31.2	29.0	31.2	32.4	31.2	32.5	31.7	31.3	34.0	32.4	33.8
261	2	F	27.4	27.2	28.0	27.8	29.2	30.7	29.5	31.3	32.0	35.4	31.6	32.3	34.2	36.1	32.9	33.1	34.9	34.9	33.9	36.1
262	2	F	30.6	32.5	32.1	34.3	36.0	37.0	37.7	35.1	37.2	37.1	37.3	35.7	38.0	37.7	39.0	36.5	39.6	40.2	37.5	40.6
263	2	F	23.8	29.7	32.6	29.9	31.3	32.1	34.2	34.6	36.4	36.1	35.4	35.9	36.9	---	---	---	---	---	---	---
264	2	F	32.6	29.8	32.8	33.0	31.8	34.2	33.7	37.3	34.3	38.0	36.1	37.4	39.3	37.1	39.5	36.3	38.7	41.3	37.1	39.2
265	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
266	2	F	26.8	26.6	27.8	27.4	28.0	28.1	29.6	31.5	28.4	31.5	30.3	31.9	33.3	35.2	32.4	35.3	37.8	34.6	37.3	35.4
267	2	F	32.7	31.6	32.1	32.4	33.9	32.6	37.1	36.9	35.3	38.9	38.1	37.9	37.0	---	---	---	---	---	---	---
268	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
269	2	F	25.6	25.6	26.8	26.4	28.0	27.3	28.3	31.1	27.0	31.2	29.1	32.7	30.3	30.1	30.0	31.4	35.1	34.6	32.3	33.3
270	2	F	30.2	31.7	32.9	33.8	34.1	38.5	37.2	36.1	40.5	37.9	37.4	38.0	39.4	40.0	40.8	43.5	44.0	47.0	46.4	47.4
271	2	F	31.9	30.8	32.4	30.9	35.1	37.9	38.0	36.7	37.1	37.8	37.3	37.2	36.8	38.2	37.5	41.5	41.2	42.1	40.9	41.8
272	2	F	31.0	30.9	34.2	32.0	35.6	34.2	36.0	38.2	36.1	39.3	38.8	41.0	40.8	---	---	---	---	---	---	---
273	2	F	24.7	25.7	26.8	28.0	28.0	28.0	28.7	28.3	28.5	28.8	30.9	28.9	29.2	30.8	29.5	30.9	31.6	32.0	32.6	33.1
274	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
275	2	F	23.4	23.8	23.4	24.4	24.9	24.2	24.4	26.2	25.5	25.2	26.6	25.6	25.2	---	---	---	---	---	---	---
276	2	F	28.7	28.9	30.4	29.0	32.3	33.2	32.8	31.4	31.7	33.3	32.2	36.2	34.8	36.3	36.4	35.6	36.8	36.0	37.8	39.0
277	2	F	37.7	37.0	36.4	38.5	42.3	40.9	40.4	39.4	41.7	43.0	44.0	43.1	43.7	46.1	45.3	46.6	49.0	48.7	49.5	51.0
278	2	F	28.6	29.7	29.1	30.8	32.3	32.3	32.1	35.9	31.5	33.8	34.6	33.1	35.3	36.3	37.4	37.7	36.9	39.1	37.6	39.3
279	2	F	32.7	34.0	36.5	38.8	36.5	40.0	39.8	37.3	39.8	39.7	38.9	43.2	40.5	42.1	44.7	44.1	44.7	45.8	47.0	47.9
280	2	F	35.5	35.7	35.8	35.5	37.8	38.5	39.0	40.1	37.5	39.2	41.2	42.6	40.3	42.9	43.8	44.0	47.2	45.7	47.2	47.2

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
281	2	F	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---	---
282	2	F	26.4	26.5	27.1	27.9	27.7	28.5	27.9	29.3	29.1	29.7	30.3	30.2	30.4	31.4	31.5	32.2	31.4	33.2	32.0	32.7
283	2	F	30.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
284	2	F	32.2	32.3	35.3	37.6	35.4	39.0	36.1	37.6	41.8	39.9	40.0	40.6	42.0	---	---	---	---	---	---	---
285	2	F	36.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
286	2	F	30.9	30.9	31.3	31.1	32.6	32.7	34.2	36.3	35.0	34.0	36.2	35.2	31.7	27.9	---	---	---	---	---	---
287	2	F	31.1	32.6	32.4	32.2	33.2	33.3	36.9	35.9	35.6	38.4	37.0	37.9	38.6	40.6	40.0	41.1	40.1	42.4	43.8	42.1
288	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
289	2	F	29.2	29.1	30.8	30.7	31.2	30.8	32.6	33.0	35.6	33.1	34.3	34.7	33.1	34.9	35.6	36.8	37.0	36.3	37.2	38.0
290	2	F	35.6	38.5	37.0	41.6	39.1	41.8	39.4	45.7	40.5	43.1	42.9	45.3	43.9	45.9	42.4	44.9	45.5	46.2	46.8	47.6
291	2	F	40.5	38.3	40.8	43.6	41.5	44.0	45.9	45.9	45.9	48.5	48.0	47.2	49.3	49.5	49.1	50.9	52.2	52.9	54.1	54.7
292	2	F	25.0	25.2	26.8	25.9	28.5	26.7	27.9	29.0	28.6	30.3	29.0	27.2	30.0	30.5	30.1	32.0	32.5	31.8	33.8	30.8
293	2	F	27.4	29.0	29.4	32.2	29.0	33.0	31.4	32.8	32.6	35.6	35.8	34.6	37.5	36.0	36.2	37.6	37.8	37.4	38.6	38.9
294	2	F	29.1	30.0	29.3	32.7	30.9	31.8	33.1	34.7	35.2	32.5	35.0	34.9	34.4	36.8	38.2	38.0	37.2	38.5	39.9	39.6
295	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
296	2	F	24.6	24.3	24.1	26.7	24.5	26.2	28.7	27.2	27.8	27.2	28.4	29.0	27.6	---	---	---	---	---	---	---
297	2	F	36.0	36.6	35.8	35.6	38.4	37.2	38.8	38.7	39.1	40.8	42.3	42.7	42.2	43.0	42.6	44.3	44.4	45.7	46.2	47.4
298	2	F	29.2	30.3	33.2	33.6	36.7	35.5	35.8	37.9	36.9	40.6	39.3	40.9	38.0	40.7	40.0	41.8	42.2	43.7	43.8	44.4
299	2	F	30.2	35.1	33.2	32.2	34.4	34.7	35.1	34.2	35.7	35.3	37.5	38.8	38.5	40.2	38.0	39.1	41.2	39.7	41.4	40.7
300	2	F	30.1	30.5	31.3	30.5	31.8	31.4	32.5	32.2	34.1	33.9	34.9	35.6	36.2	36.3	36.7	36.5	39.2	39.2	41.1	39.3
301	3	M	42.6	43.0	43.3	43.3	45.7	45.0	46.8	47.2	46.7	47.6	46.6	47.8	47.6	47.6	47.9	48.3	48.0	48.3	49.2	48.7
302	3	M	28.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
303	3	M	36.8	36.9	36.8	38.0	38.5	38.8	39.2	39.5	39.1	40.3	40.0	40.6	39.8	40.1	40.2	40.6	41.3	41.1	41.2	41.5
304	3	M	44.1	45.2	44.6	44.9	46.5	47.0	48.4	49.5	48.5	49.1	48.8	50.4	49.6	50.3	50.8	50.9	51.6	51.1	52.0	51.8
305	3	M	40.4	40.5	39.6	39.7	40.8	40.7	41.5	42.3	41.4	41.5	42.0	42.7	41.5	40.6	40.5	40.8	40.9	40.5	40.6	40.6
306	3	M	38.0	37.6	39.2	38.8	40.1	42.0	42.5	43.3	43.4	42.4	42.5	43.9	44.3	44.5	43.7	45.6	47.0	47.2	47.8	48.6
307	3	M	36.0	35.5	37.5	38.4	39.9	40.1	40.9	40.5	41.7	41.5	40.6	42.5	42.8	---	---	---	---	---	---	---
308	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
309	3	M	38.6	38.4	40.6	39.8	41.1	41.6	42.1	42.8	42.4	41.4	41.3	42.8	44.2	43.4	42.0	43.4	44.6	45.2	45.5	46.1
310	3	M	35.8	34.4	35.9	34.6	36.2	36.5	37.6	37.3	37.3	35.5	36.0	37.6	38.0	38.4	36.7	38.5	39.6	39.9	40.8	40.7
311	3	M	39.6	40.8	42.2	42.3	43.2	43.9	45.1	45.0	44.8	42.9	44.3	43.6	44.2	---	---	---	---	---	---	---
312	3	M	37.9	39.5	40.4	40.5	41.9	42.4	42.9	43.7	44.1	43.3	44.1	43.7	44.5	---	---	---	---	---	---	---
313	3	M	32.5	34.8	35.0	34.6	35.9	35.8	38.2	38.8	37.8	36.8	38.4	38.2	36.8	37.9	37.1	37.9	38.5	39.8	40.3	40.2
314	3	M	35.5	36.7	37.8	37.8	38.7	40.0	39.9	40.3	39.9	39.9	41.1	40.4	40.6	40.3	39.6	39.7	39.6	40.0	40.7	40.4
315	3	M	35.5	36.3	36.7	36.5	37.4	37.8	39.4	39.9	40.3	38.5	40.0	39.4	39.2	---	---	---	---	---	---	---
316	3	M	30.7	31.8	32.0	32.4	33.0	32.2	32.9	33.4	33.8	33.2	34.6	34.4	33.8	34.3	34.7	34.8	35.2	35.0	36.3	35.6
317	3	M	26.8	27.3	27.6	27.4	28.1	28.8	29.3	28.5	29.1	28.8	29.4	30.2	29.3	29.8	29.7	30.1	30.4	30.8	31.1	31.2
318	3	M	36.6	38.6	39.3	39.2	39.9	39.8	41.0	41.6	43.4	43.4	44.7	45.6	44.7	45.8	45.4	45.8	45.9	44.9	46.6	46.4
319	3	M	39.6	41.1	42.5	42.1	44.3	43.5	45.1	45.1	45.2	45.2	42.5	43.2	44.9	---	---	--	---	---	---	---
320	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
321	3	M	36.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
322	3	M	40.5	42.0	42.6	42.3	44.0	45.7	46.4	45.9	45.3	46.0	45.7	45.7	45.7	46.3	46.2	47.2	47.0	46.9	46.8	46.6
323	3	M	35.5	36.6	37.2	36.8	37.8	38.8	40.1	39.7	40.5	41.0	41.2	39.9	41.0	41.7	40.7	42.5	41.7	41.5	43.5	42.9
324	3	M	32.9	34.8	34.1	32.4	34.4	34.8	35.2	34.9	35.7	36.0	36.4	36.5	35.9	36.6	35.7	37.6	37.8	36.9	37.0	36.8
325	3	M	34.9	31.9	33.4	33.3	34.7	34.3	34.6	34.3	34.0	35.1	35.8	35.8	36.2	36.4	35.4	36.8	36.3	35.8	36.4	36.1
326	3	M	35.0	36.0	36.5	36.6	38.1	38.1	36.9	37.7	35.8	36.7	35.3	36.8	35.4	35.7	36.9	37.6	37.1	38.1	38.5	36.8
327	3	M	33.3	33.9	34.4	34.2	35.4	35.3	35.7	35.5	35.2	34.5	35.3	34.6	34.8	34.9	35.3	35.0	35.4	36.6	36.9	36.5
328	3	M	34.0	36.0	37.1	37.3	38.9	39.5	39.6	39.9	40.5	36.7	36.5	36.7	35.3	35.9	35.7	36.6	37.3	38.1	38.1	38.3
329	3	M	36.7	37.5	38.5	38.0	40.1	39.9	39.3	39.4	38.8	39.1	39.9	39.9	39.2	41.0	41.4	39.1	42.7	42.7	43.6	43.5
330	3	M	35.3	36.8	37.3	35.9	37.8	38.3	36.4	37.1	35.1	35.7	34.4	35.5	35.1	36.0	36.3	36.2	37.8	38.2	38.4	38.4
331	3	M	39.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
332	3	M	33.4	33.8	34.5	34.6	34.6	35.4	35.7	36.9	36.9	37.0	38.2	38.4	37.7	38.6	39.1	39.7	40.6	41.2	41.5	41.5
333	3	M	39.1	38.4	40.7	40.1	38.7	40.9	42.0	42.6	42.2	43.2	43.9	44.7	43.5	45.8	44.8	45.4	45.9	45.4	45.6	46.1
334	3	M	34.1	34.3	35.4	34.7	36.8	37.8	38.0	38.1	37.4	38.8	39.7	39.7	39.1	40.3	40.4	40.6	41.2	41.3	42.5	42.8
335	3	M	37.2	36.4	37.6	36.4	38.4	39.0	39.8	39.8	40.5	41.2	41.5	41.8	41.9	---	---	---	---	---	---	---
336	3	M	32.9	32.6	34.2	33.2	33.7	34.2	34.4	34.8	32.3	35.3	34.0	34.2	32.9	33.2	33.0	34.2	36.5	37.4	37.9	38.4
337	3	M	36.5	36.1	36.4	36.2	37.6	38.2	37.8	35.2	32.8	35.0	34.8	35.6	33.4	34.9	35.1	35.2	38.0	37.6	39.3	40.2
338	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
339	3	M	45.8	43.6	44.6	41.2	44.0	45.1	44.7	43.8	44.2	45.5	44.2	45.6	44.4	47.9	47.1	48.7	51.2	51.7	51.2	50.8
340	3	M	44.3	44.6	46.0	43.5	45.6	46.4	45.9	45.2	45.1	46.2	45.1	46.0	45.3	47.0	47.7	46.6	47.1	47.6	47.2	47.4
341	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
342	3	M	38.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
343	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
344	3	M	38.3	37.4	38.3	38.6	38.4	39.6	40.2	40.7	40.6	40.8	41.5	42.1	41.5	41.5	40.9	41.5	42.2	42.3	42.9	42.9
345	3	M	33.9	32.2	32.8	33.2	34.2	35.4	35.7	35.8	35.8	36.3	35.5	37.1	36.1	37.5	36.5	36.6	36.8	36.3	36.9	37.1
346	3	M	35.4	35.0	37.1	35.0	36.8	36.2	37.8	38.0	37.5	37.9	38.7	38.4	37.4	39.1	39.4	39.6	40.4	40.7	41.3	42.4
347	3	M	42.2	43.4	44.4	44.0	44.7	44.5	45.8	45.9	45.4	45.0	46.4	47.0	46.5	48.0	47.8	47.7	48.6	48.7	49.0	49.4
348	3	M	41.7	41.0	43.7	42.6	44.7	44.1	45.2	45.1	44.9	43.4	43.9	43.9	43.6	46.5	46.1	47.0	47.4	48.4	48.5	47.5
349	3	M	34.6	35.7	36.5	36.2	37.2	37.2	38.1	38.4	38.7	37.7	39.0	38.2	37.8	38.9	40.1	40.5	41.4	42.3	42.8	43.3
350	3	M	31.0	31.5	33.2	31.4	32.6	31.5	34.0	34.0	33.6	34.0	34.7	34.3	32.6	35.3	35.8	36.2	36.8	38.2	38.3	39.2
351	3	M	29.5	29.4	30.1	29.8	30.3	30.8	31.4	30.9	30.5	31.9	32.2	32.0	33.3	33.3	32.9	30.6	33.2	33.0	33.4	33.6
352	3	M	33.7	34.7	36.1	35.4	36.5	37.6	36.8	36.8	37.0	38.8	38.8	39.5	40.2	40.8	41.4	39.1	41.0	41.6	43.5	43.0
353	3	M	36.7	37.3	38.3	38.0	39.7	39.9	39.4	39.6	39.5	40.7	42.3	42.4	42.9	42.8	43.4	42.0	44.2	44.3	45.2	45.2
354	3	M	43.5	44.3	46.2	45.8	46.8	46.9	47.1	42.0	47.3	48.1	47.6	47.9	48.6	49.2	49.6	47.7	49.2	49.7	50.3	50.6
355	3	M	34.4	33.6	35.6	34.3	35.9	36.8	37.0	36.6	36.3	37.2	37.7	35.8	37.8	38.5	38.1	36.8	39.4	39.5	39.6	39.1
356	3	M	36.9	37.6	38.5	39.4	40.3	39.3	39.8	40.1	40.4	39.6	41.1	41.4	39.4	39.9	40.7	41.7	41.8	41.9	41.2	42.4
357	3	M	35.8	36.8	37.0	37.3	38.3	36.6	37.6	38.1	37.5	39.1	40.0	40.1	38.5	39.9	39.6	39.7	40.3	40.6	39.5	39.3
358	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
359	3	M	34.2	34.5	35.4	36.1	37.8	37.1	37.5	37.1	37.5	38.9	39.0	39.9	37.5	---	---	---	---	---	---	---
360	3	M	32.3	31.7	32.0	32.0	33.6	33.8	34.3	34.1	34.4	35.6	35.5	35.7	35.2	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
361	3	M	32.2	32.3	34.0	33.1	33.9	32.2	33.8	33.9	32.7	34.8	33.5	35.3	34.3	34.2	33.9	33.5	35.0	35.4	37.1	35.7
362	3	M	34.3	34.5	35.6	35.5	37.8	37.0	37.7	38.4	37.1	38.1	37.5	39.4	39.6	---	---	---	---	---	---	---
363	3	M	35.2	34.9	35.7	35.4	36.7	35.8	38.3	38.4	38.0	38.0	36.4	38.8	37.2	37.5	38.8	38.2	40.6	41.2	42.0	41.1
364	3	M	35.2	34.7	36.7	35.5	37.0	36.0	36.5	37.1	36.5	38.0	37.6	38.5	38.6	38.3	39.1	39.5	39.7	40.1	41.2	39.3
365	3	M	37.2	36.8	37.8	38.3	39.4	39.1	39.8	39.6	39.4	39.6	40.5	40.1	39.6	40.6	41.1	41.7	41.7	42.9	43.5	44.0
366	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
367	3	M	36.7	37.6	38.1	37.0	37.4	37.8	39.8	40.1	39.9	39.3	40.3	40.8	41.6	---	---	---	---	---	---	---
368	3	M	35.4	35.9	35.7	33.7	34.5	35.3	35.0	37.8	37.9	37.1	37.3	36.1	37.2	38.6	38.8	39.7	39.1	39.8	40.8	40.6
369	3	M	31.0	29.2	30.8	28.4	30.6	29.2	29.6	31.4	29.4	30.4	29.7	---	---	---	---	---	---	---	---	---
370	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
371	3	M	40.1	40.8	41.6	40.8	42.8	42.6	44.9	44.8	43.8	44.3	44.8	45.6	45.6	46.6	45.7	45.1	46.0	42.3	43.6	44.0
372	3	M	37.2	37.6	38.6	37.8	39.7	39.4	41.7	41.4	40.9	42.4	43.7	43.3	43.8	44.3	42.2	40.3	41.3	39.9	41.2	42.7
373	3	M	39.9	39.7	39.8	39.6	40.8	40.4	41.7	39.4	38.5	40.1	40.4	40.5	40.9	42.0	40.6	39.0	40.4	39.3	40.3	41.3
374	3	M	33.8	33.5	34.5	33.6	35.6	35.9	37.0	36.7	36.7	37.2	38.4	38.5	38.9	40.7	39.5	37.8	39.8	38.6	40.0	41.1
375	3	M	29.3	29.0	29.9	29.3	30.5	30.4	31.7	31.2	30.8	31.4	31.9	31.9	32.7	32.3	31.4	31.8	32.1	32.2	32.8	32.3
376	3	F	27.6	27.9	29.6	28.3	28.8	31.0	29.2	29.8	30.1	30.9	29.7	31.6	30.4	33.3	35.3	34.1	33.5	32.8	35.4	34.4
377	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
378	3	F	38.7	37.7	39.8	37.6	41.8	39.3	41.7	42.8	43.1	43.6	46.4	44.8	47.4	46.1	48.6	46.4	47.6	51.2	52.8	50.9
379	3	F	25.3	26.3	26.4	28.1	27.0	28.3	27.9	29.3	27.8	28.9	29.4	30.3	29.9	---	---	---	---	---	---	---
380	3	F	35.2	32.6	32.1	33.5	36.3	35.0	37.5	36.7	35.6	39.0	36.9	38.9	39.2	38.8	38.7	41.0	40.4	42.5	39.0	40.8
381	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
382	3	F	27.6	28.6	29.3	30.2	29.2	30.4	32.7	31.5	32.6	33.0	33.9	33.4	33.2	33.2	34.7	36.4	34.4	34.8	35.9	36.1
383	3	F	29.4	32.5	32.8	32.8	33.3	32.3	35.2	35.3	35.8	37.0	37.4	37.4	37.4	39.8	39.7	40.0	41.0	42.6	41.5	42.3
384	3	F	29.3	29.2	32.3	30.8	30.9	31.9	31.1	34.9	34.2	32.5	33.0	34.2	33.8	34.3	35.3	35.0	35.8	36.2	36.5	37.3
385	3	F	28.7	31.9	32.1	34.9	31.2	35.6	33.7	34.1	36.6	35.3	36.6	35.4	35.6	---	---	---	---	---	---	---
386	3	F	37.1	38.5	38.2	41.9	40.9	40.1	44.0	41.9	43.4	43.5	41.7	44.1	45.1	45.0	46.4	44.0	46.4	49.0	47.4	49.2
387	3	F	35.7	40.7	41.4	39.0	42.2	40.1	42.7	42.3	44.0	44.3	44.8	43.4	45.9	46.0	47.8	51.6	51.2	49.8	51.0	52.6
388	3	F	28.9	30.5	32.0	32.5	33.3	33.5	34.3	38.4	34.3	36.1	36.0	35.3	36.4	37.8	38.1	38.6	40.0	38.5	40.0	42.7
389	3	F	33.4	37.9	36.2	36.6	38.2	39.2	41.1	40.5	41.1	42.1	41.1	42.3	42.8	43.8	44.3	46.7	45.0	45.4	46.7	48.4
390	3	F	25.7	28.0	28.0	27.6	28.4	29.2	30.4	28.0	30.9	30.7	32.9	30.8	32.0	31.1	33.3	35.7	35.5	32.6	35.6	36.2
391	3	F	26.6	27.7	24.9	28.4	29.7	30.3	31.0	31.3	31.4	31.9	31.4	33.5	36.2	---	---	---	---	---	---	---
392	3	F	29.6	29.0	26.8	31.1	34.2	31.4	31.8	33.5	34.1	32.8	32.4	35.2	34.1	35.9	36.9	40.0	35.6	38.4	41.2	38.5
393	3	F	33.9	35.6	33.9	33.9	35.0	36.2	36.7	36.8	37.4	39.1	38.6	38.5	42.5	40.9	41.3	41.9	41.1	43.7	43.5	43.7
394	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
395	3	F	28.3	29.9	28.1	31.4	34.5	33.1	32.8	35.0	37.1	36.8	34.6	34.3	37.2	---	---	---	---	---	---	---
396	3	F	36.0	35.8	38.7	37.7	37.9	39.2	39.7	40.0	38.8	41.9	42.0	42.3	42.4	42.4	41.8	43.8	45.3	45.6	44.9	46.6
397	3	F	28.2	32.5	30.4	28.1	31.5	33.5	30.1	32.6	31.9	35.3	35.1	37.0	34.5	35.5	36.6	39.1	38.0	39.4	41.4	40.1
398	3	F	30.1	31.5	32.7	31.5	32.3	33.3	34.2	33.8	35.1	38.1	36.4	34.6	36.6	38.6	37.4	39.6	40.1	41.1	40.5	41.8
399	3	F	32.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
400	3	F	34.7	34.1	36.5	34.4	35.7	35.1	38.2	36.3	36.9	38.0	37.7	38.9	41.0	39.7	42.3	40.6	42.7	42.3	43.3	44.8

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

			TEST WEEK																			
ANIMAL NO.	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
401	3	F	30.3	31.7	34.0	33.4	33.6	35.3	38.1	35.8	38.8	36.8	39.4	39.4	41.1	40.4	40.5	44.4	42.3	41.5	44.6	42.5
402	3	F	35.5	35.2	37.9	37.1	39.8	39.6	40.7	40.6	41.6	42.9	43.9	43.3	43.6	45.1	45.7	46.9	45.8	43.7	45.2	45.2
403	3	F	28.0	31.2	30.6	29.0	31.9	30.1	34.2	31.4	35.2	33.1	30.9	34.9	35.9	35.1	35.0	34.0	36.6	36.4	37.9	35.5
404	3	F	42.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
405	3	F	35.0	35.2	36.4	36.2	36.4	37.1	37.4	38.4	37.0	37.4	36.4	38.9	40.4	39.6	40.6	40.6	42.7	41.9	44.7	43.7
406	3	F	30.1	30.0	33.2	32.8	34.6	34.6	35.8	33.0	35.6	35.9	36.4	35.9	36.6	37.2	37.5	38.0	38.2	40.3	40.4	39.2
407	3	F	36.3	35.6	36.4	37.7	39.4	37.4	40.0	39.6	38.5	41.1	39.2	42.5	41.1	42.0	40.6	43.7	44.9	45.3	45.6	46.7
408	3	F	28.4	32.2	29.9	29.4	31.4	31.0	33.7	32.4	32.5	33.9	33.3	35.7	33.3	---	---	---	---	---	---	---
409	3	F	29.0	30.0	29.4	31.6	31.8	34.2	33.5	32.6	35.3	33.3	32.5	34.8	35.1	33.6	34.8	36.0	35.8	37.5	37.6	35.9
410	3	F	34.4	31.5	34.6	35.0	37.0	34.6	36.3	35.1	35.9	37.0	39.0	37.0	38.8	39.2	40.6	41.7	40.3	40.0	36.5	---
411	3	F	26.6	26.9	27.2	26.4	28.6	28.2	28.6	28.3	28.1	31.4	28.5	29.2	28.6	---	---	---	---	---	---	---
412	3	F	31.0	34.9	33.0	32.3	37.3	35.5	34.9	36.3	38.6	37.3	38.8	37.4	39.4	39.6	36.5	39.8	39.1	40.0	42.4	41.5
413	3	F	31.6	29.4	30.7	31.6	34.2	33.0	35.5	32.9	36.7	37.2	36.6	35.0	35.2	---	---	---	---	---	---	---
414	3	F	30.6	33.3	31.6	33.2	35.6	34.8	35.1	38.2	34.6	34.8	---	---	---	---	---	---	---	---	---	---
415	3	F	33.6	34.0	37.4	37.1	35.2	39.4	36.9	36.9	38.3	40.3	37.9	38.9	39.7	40.8	41.6	39.9	39.8	41.3	41.9	39.9
416	3	F	28.4	29.6	31.2	31.1	33.3	34.7	31.7	32.1	31.5	33.2	36.1	33.9	36.8	35.0	34.9	38.4	35.8	37.7	37.5	38.8
417	3	F	30.8	31.7	33.2	34.7	33.4	36.4	35.9	37.0	35.9	40.2	36.6	40.6	39.8	40.8	38.8	41.0	40.1	41.9	43.9	43.2
418	3	F	34.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
419	3	F	26.5	28.1	30.2	29.1	30.2	32.1	31.4	31.0	32.8	32.9	34.8	34.9	36.1	35.8	36.6	36.0	39.3	37.1	39.1	40.5
420	3	F	27.6	32.4	31.2	30.1	32.2	33.6	32.5	32.5	35.9	33.2	35.1	35.6	36.6	37.8	36.6	40.8	38.0	39.1	39.8	40.6
421	3	F	33.9	39.2	35.9	39.5	41.4	40.3	41.2	41.1	43.8	42.6	45.2	42.8	44.9	45.5	46.3	46.7	48.0	46.7	48.5	48.6
422	3	F	30.0	28.6	29.4	28.1	31.8	31.0	33.6	33.2	33.8	34.4	33.7	34.7	34.3	36.6	38.4	37.9	35.1	39.5	38.5	40.0
423	3	F	24.4	24.6	27.3	25.7	28.2	26.8	27.1	27.9	26.5	29.4	29.4	26.8	28.8	---	---	---	---	---	---	---
424	3	F	30.4	32.7	34.3	33.1	36.2	34.9	33.0	35.9	38.1	33.7	37.8	37.5	37.7	38.8	39.6	37.8	40.2	39.8	41.6	39.4
425	3	F	31.2	32.6	32.2	33.5	35.9	34.9	37.5	36.8	37.7	39.0	39.1	37.1	39.8	40.7	40.0	41.6	41.6	41.8	44.4	42.0
426	3	F	25.7	26.8	28.8	27.6	28.8	30.2	29.5	31.1	31.2	31.6	32.7	33.8	32.2	32.5	34.6	34.1	35.7	33.9	33.3	35.9
427	3	F	33.3	32.7	34.9	32.2	35.9	35.3	36.7	36.9	37.6	38.1	37.5	38.7	36.8	38.8	37.4	39.6	40.0	40.4	42.0	41.5
428	3	F	31.8	35.6	36.7	36.4	35.7	40.5	37.5	37.9	40.9	41.4	37.5	40.8	42.1	42.3	42.8	41.0	45.0	42.5	43.9	45.0
429	3	F	31.8	30.9	35.3	32.1	32.4	35.8	34.5	34.5	34.3	36.9	35.7	36.2	37.5	38.3	41.0	40.2	37.8	40.5	43.0	40.7
430	3	F	26.0	28.5	27.4	29.2	28.7	30.2	29.0	30.7	29.2	28.3	29.6	31.6	30.1	32.8	30.7	33.5	33.8	33.5	35.8	35.6
431	3	F	29.3	29.4	33.1	34.2	35.7	36.1	31.4	32.0	34.2	31.8	33.8	32.7	36.3	---	---	---	---	---	---	---
432	3	F	25.5	26.7	27.2	29.2	30.9	32.1	29.5	32.9	32.3	31.0	33.9	32.3	31.6	33.1	35.4	35.2	33.4	34.8	36.0	33.3
433	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
434	3	F	35.1	32.9	36.3	35.9	36.5	35.5	37.4	36.1	35.3	38.6	36.5	39.0	37.4	38.7	39.4	38.2	40.3	40.4	40.4	40.3
435	3	F	28.8	30.2	31.9	34.8	32.4	37.0	35.5	33.2	34.1	38.7	33.9	39.7	37.7	35.7	39.7	36.7	40.6	39.8	42.0	43.1
436	3	F	34.3	36.4	35.6	37.3	39.5	35.6	39.5	39.2	39.7	40.2	41.3	40.7	39.9	45.9	44.2	43.7	44.6	46.0	46.7	47.6
437	3	F	30.7	33.0	30.3	32.1	33.6	35.2	35.7	35.9	36.6	38.9	37.1	37.2	37.9	40.1	37.7	39.8	43.6	42.0	42.5	42.0
438	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
439	3	F	27.2	28.4	30.0	30.2	28.5	28.9	30.3	28.9	31.2	30.9	30.1	30.1	30.6	---	---	---	---	---	---	---
440	3	F	25.7	26.4	27.3	26.6	28.8	26.3	26.5	28.6	27.6	28.4	31.0	27.9	30.2	29.3	30.5	32.0	31.6	33.0	34.7	33.0

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TRT GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
441	3	F	25.4	26.4	27.5	28.6	28.4	31.0	31.0	33.5	33.4	35.4	34.4	36.5	35.2	37.0	37.7	36.6	37.7	40.0	40.6	39.1
442	3	F	32.6	33.4	32.8	32.0	35.0	35.3	37.7	34.4	38.5	37.5	39.2	36.2	38.8	35.6	39.6	39.2	38.2	39.2	42.3	40.4
443	3	F	32.1	31.1	30.7	33.6	35.9	34.9	35.2	36.5	38.1	37.7	36.5	38.7	38.9	38.4	40.3	39.3	41.7	42.3	42.9	43.5
444	3	F	35.3	35.8	38.5	37.6	39.1	43.0	43.6	44.1	43.4	47.0	46.3	44.2	46.5	47.7	44.7	48.6	46.1	50.1	50.3	50.4
445	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
446	3	F	26.6	26.2	28.4	26.4	28.4	27.9	29.3	29.0	29.8	30.4	29.5	30.0	28.3	30.3	31.6	31.2	34.6	32.6	33.7	33.0
447	3	F	28.3	32.0	30.9	33.2	33.0	33.4	35.2	34.1	35.0	37.1	34.8	37.4	36.3	37.1	38.1	40.7	38.4	40.6	42.1	40.0
448	3	F	31.2	33.9	33.6	33.0	35.6	39.2	37.2	39.7	38.2	39.9	40.6	39.0	39.7	41.6	41.2	43.0	43.6	43.9	45.0	43.7
449	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
450	3	F	37.1	36.4	36.6	36.1	36.7	38.2	39.7	38.7	39.6	41.2	40.0	41.7	40.5	41.9	41.6	42.2	42.6	43.9	43.4	44.2
451	4	M	36.5	38.0	37.8	37.3	38.0	39.5	38.6	37.9	38.6	39.6	39.2	39.3	37.8	39.5	38.8	38.3	38.9	39.3	41.5	41.5
452	4	M	32.5	33.6	33.3	32.9	32.7	33.9	33.9	33.5	34.7	34.9	35.6	35.1	34.1	35.8	34.6	34.5	35.1	35.3	36.2	36.0
453	4	M	29.0	29.2	30.0	29.6	30.5	31.8	31.4	31.4	31.8	31.3	31.6	33.7	31.2	31.8	31.3	31.3	32.2	31.7	31.4	32.4
454	4	M	39.7	40.1	41.2	42.1	42.6	43.9	43.6	44.0	44.4	44.2	44.0	43.4	41.2	41.2	41.0	42.0	42.0	41.5	41.9	41.6
455	4	M	32.0	31.9	32.7	31.3	32.1	33.4	32.5	32.1	33.3	33.3	33.5	33.7	33.5	33.7	33.8	33.7	33.4	34.0	33.6	34.2
456	4	M	34.4	34.3	34.7	33.9	34.9	33.6	34.4	34.6	34.8	35.0	34.5	35.2	34.7	---	---	---	---	---	---	---
457	4	M	38.8	39.0	40.0	39.1	40.0	39.5	40.9	41.5	40.7	39.9	41.3	40.6	40.3	39.3	39.9	41.6	42.3	43.8	43.6	44.6
458	4	M	33.7	33.1	33.7	33.2	33.8	33.8	34.8	34.4	34.4	35.1	34.3	35.5	35.5	---	---	---	---	---	---	---
459	4	M	37.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
460	4	M	34.3	34.6	35.1	34.2	34.0	34.5	35.4	35.5	35.6	34.6	35.2	36.5	36.9	35.4	34.5	35.9	35.0	36.2	36.3	36.6
461	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
462	4	M	36.2	36.5	37.6	37.5	39.4	39.3	40.2	41.0	41.2	42.4	42.8	43.2	42.9	44.4	43.7	44.6	45.3	44.5	45.1	46.0
463	4	M	30.1	30.6	31.1	31.5	31.6	31.3	31.1	31.5	31.3	31.6	31.8	32.5	32.4	32.3	32.7	33.5	33.4	33.1	33.9	33.2
464	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
465	4	M	36.9	37.2	37.0	36.4	39.2	40.0	40.2	41.4	42.0	42.8	43.9	44.7	44.5	44.9	45.5	45.8	46.4	46.6	46.9	47.4
466	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
467	4	M	35.4	36.3	36.6	35.8	36.2	36.7	36.7	37.9	37.8	38.6	38.6	39.5	38.3	38.7	39.4	40.9	39.3	41.4	41.9	40.6
468	4	M	33.7	34.5	35.2	34.8	36.3	36.8	36.6	37.0	36.8	37.1	37.8	37.8	37.3	37.3	37.5	37.7	37.8	38.0	38.5	39.0
469	4	M	33.4	33.4	34.1	33.7	34.9	35.0	34.5	34.9	35.2	35.1	36.2	35.6	34.9	35.7	36.3	36.5	35.3	36.4	36.2	35.9
470	4	M	32.8	31.9	32.4	33.3	33.4	33.0	33.4	33.1	33.0	33.3	33.6	33.9	32.7	---	---	---	---	---	---	---
471	4	M	35.3	35.4	37.0	36.3	37.1	37.7	36.5	37.6	36.8	38.8	39.8	38.7	38.9	---	---	---	---	---	---	---
472	4	M	33.6	34.5	35.4	35.2	36.6	37.1	37.0	38.3	37.3	37.3	37.5	38.6	38.2	37.8	39.7	40.0	41.0	40.5	41.7	41.1
473	4	M	35.2	35.8	36.6	36.3	37.2	37.3	37.1	37.0	38.7	37.9	38.3	36.2	37.0	38.6	39.2	39.0	39.7	39.4	41.1	40.2
474	4	M	35.8	37.0	37.5	37.9	39.0	39.7	39.6	39.9	37.1	39.9	40.7	41.2	40.0	39.4	41.0	41.0	42.1	42.0	43.1	47.5
475	4	M	31.6	32.0	33.0	32.9	34.7	34.9	34.8	34.5	33.9	35.3	34.7	35.0	33.7	34.5	35.4	35.8	36.5	36.4	37.6	36.5
476	4	M	33.4	33.7	33.9	34.0	34.4	33.5	33.9	34.4	35.1	34.2	34.7	35.0	34.0	34.2	32.9	35.4	35.4	35.5	36.1	35.1
477	4	M	31.2	32.0	32.6	33.2	32.8	33.1	33.0	33.8	33.9	34.4	34.1	34.1	34.7	---	---	---	---	---	---	---
478	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
479	4	M	29.7	29.6	29.9	30.6	30.9	28.5	30.3	29.6	30.0	30.9	30.9	31.1	30.4	30.9	30.8	31.6	32.0	30.9	32.0	32.1
480	4	M	35.8	36.5	36.6	36.6	37.3	37.5	37.3	37.6	38.8	38.9	36.8	38.2	36.5	38.9	37.5	38.8	39.3	38.9	40.4	40.2

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
481	4	M	38.1	39.4	39.6	38.6	39.8	40.6	42.0	42.6	41.0	42.1	42.0	40.8	42.2	41.7	41.8	41.5	41.4	40.3	40.2	40.5
482	4	M	40.0	41.6	42.9	41.3	42.7	43.6	44.3	44.9	42.2	43.4	43.3	43.8	44.9	45.1	44.9	44.0	41.9	42.0	40.8	40.7
483	4	M	29.0	29.6	30.5	29.4	30.1	30.5	30.6	30.3	29.7	31.0	30.2	30.3	30.8	30.9	31.3	31.4	30.9	31.2	31.4	31.0
484	4	M	35.0	35.8	36.1	36.3	38.7	38.4	38.5	38.9	36.5	37.5	37.4	36.2	36.4	37.3	37.1	37.8	37.5	37.9	38.6	37.0
485	4	M	34.9	35.0	35.8	34.6	36.3	35.6	34.9	35.0	34.2	36.5	35.3	34.9	35.0	36.2	36.6	36.8	36.6	35.9	36.9	35.9
486	4	M	33.5	33.4	33.7	34.1	33.7	34.9	33.9	33.5	33.2	34.2	34.0	34.7	34.7	35.9	34.7	34.0	35.1	34.7	34.7	35.9
487	4	M	38.9	39.2	39.7	39.8	41.2	41.9	41.6	42.3	42.7	42.7	43.3	43.8	43.8	44.9	44.8	44.4	46.0	46.0	46.7	47.0
488	4	M	36.0	36.1	37.0	36.7	36.3	34.8	35.6	34.6	35.7	35.2	36.1	37.4	36.6	37.4	36.6	35.5	36.8	36.8	37.2	37.8
489	4	M	33.0	32.9	33.8	33.3	34.1	33.8	34.2	33.8	33.3	33.4	33.4	34.3	34.0	34.7	34.5	34.4	35.5	35.6	36.1	36.6
490	4	M	32.9	32.6	32.2	32.7	32.2	32.8	32.0	32.7	32.0	32.2	33.3	34.6	34.5	---	---	---	---	---	---	---
491	4	M	36.6	37.8	39.6	38.0	38.8	36.6	37.0	38.0	39.0	37.1	37.5	37.7	36.8	38.1	37.7	38.1	39.2	37.7	38.8	37.9
492	4	M	33.1	33.8	33.3	33.5	33.9	33.2	34.0	33.9	34.9	34.5	33.2	33.2	33.9	34.4	34.1	33.6	34.1	32.2	34.2	34.0
493	4	M	37.6	38.3	38.3	38.7	39.7	39.8	39.8	40.3	40.5	40.2	39.1	39.2	39.7	---	---	---	---	---	---	---
494	4	M	35.1	36.4	37.0	36.6	37.4	36.6	36.6	37.0	37.8	37.6	35.4	37.9	35.9	36.6	36.8	36.4	38.3	35.6	37.2	36.6
495	4	M	32.9	33.4	33.7	33.4	34.7	33.4	34.0	34.3	35.0	35.8	34.1	36.2	34.4	36.1	35.2	34.4	36.0	35.7	36.0	36.0
496	4	M	30.0	30.4	30.8	31.1	32.1	32.0	31.8	31.8	31.7	32.6	32.5	33.0	31.9	32.3	32.5	33.2	32.9	33.5	33.6	33.4
497	4	M	31.5	31.5	32.2	32.4	33.9	31.4	33.1	33.0	31.5	32.9	33.8	34.0	32.2	33.8	33.4	33.8	34.1	33.6	34.6	34.5
498	4	M	29.0	29.1	29.3	29.6	30.4	28.8	30.4	30.9	30.1	30.3	30.6	30.9	29.6	30.3	30.6	31.2	31.4	30.9	32.0	31.1
499	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
500	4	M	36.1	36.8	37.5	37.7	39.1	36.6	38.7	38.8	36.9	40.8	40.4	40.9	38.9	---	---	---	---	---	---	---
501	4	M	36.1	35.7	36.6	36.6	37.7	37.2	38.2	38.1	37.0	38.3	39.6	39.0	40.0	39.9	40.5	40.2	41.5	41.8	41.9	42.0
502	4	M	36.6	36.2	37.6	37.8	39.9	39.1	39.7	40.2	37.8	39.3	41.0	41.0	41.1	---	---	---	---	---	---	---
503	4	M	34.5	34.1	35.3	34.9	37.6	37.2	37.8	38.3	36.2	37.8	39.1	38.6	38.7	39.7	39.1	39.4	39.5	39.9	40.7	41.5
504	4	M	36.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
505	4	M	35.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
506	4	M	39.4	40.7	42.2	42.4	43.0	43.9	44.4	44.1	42.9	42.7	43.4	41.9	41.6	42.3	43.3	44.5	45.2	44.8	45.9	46.0
507	4	M	35.6	36.4	37.9	37.4	39.2	38.1	38.8	39.7	38.2	38.5	38.9	39.1	38.3	39.1	40.4	41.1	41.8	40.6	41.3	41.2
508	4	M	35.9	35.9	37.5	37.2	37.8	38.2	38.6	38.9	37.4	38.5	37.9	37.7	37.7	37.9	38.7	39.2	40.0	40.3	40.2	40.8
509	4	M	38.1	38.3	39.4	38.8	39.2	40.0	40.2	40.7	39.9	40.4	40.3	38.2	39.6	40.6	40.5	41.6	42.9	42.0	43.3	41.2
510	4	M	35.6	36.0	37.2	36.4	37.3	38.0	38.0	38.2	38.2	37.8	---	---	---	---	---	---	---	---	---	---
511	4	M	32.9	32.9	33.0	33.2	33.7	33.7	34.5	34.9	34.0	35.1	35.3	36.4	35.5	35.0	35.4	36.4	36.0	36.1	36.7	36.5
512	4	M	36.7	37.0	37.6	37.5	38.3	37.0	37.8	38.0	37.2	39.1	38.2	39.0	38.5	39.0	39.1	39.2	38.8	38.8	40.7	39.5
513	4	M	38.2	37.1	38.0	37.7	38.5	39.3	39.6	39.6	38.1	38.9	38.2	39.4	37.7	38.8	39.5	39.5	39.4	39.1	40.9	39.8
514	4	M	36.2	35.2	36.0	36.1	37.3	35.9	37.0	36.6	36.2	36.9	36.5	37.6	37.9	37.2	36.9	37.5	37.5	37.4	39.1	39.8
515	4	M	30.6	29.8	31.6	30.2	30.7	31.8	31.3	31.1	31.0	32.1	32.2	31.8	31.9	32.3	32.9	32.1	32.3	32.8	32.8	32.9
516	4	M	33.1	32.8	33.3	32.6	33.9	34.0	34.3	35.6	34.7	35.8	35.9	36.5	36.2	36.5	36.7	36.8	37.7	38.3	38.1	38.1
517	4	M	37.3	36.8	37.3	36.7	37.9	38.7	39.6	40.4	39.5	40.8	41.5	42.2	41.9	42.7	43.7	43.1	44.2	44.3	45.0	45.0
518	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
519	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
520	4	M	39.4	36.2	36.3	34.9	37.6	38.3	38.4	40.2	40.1	40.9	41.6	42.4	42.4	43.2	42.9	42.6	43.8	44.3	44.0	44.7

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
521	4	M	28.8	28.9	29.4	29.0	29.9	30.0	29.6	28.9	29.5	29.3	29.4	30.2	30.6	28.8	30.0	29.9	30.0	28.6	29.9	28.7
522	4	M	34.1	34.4	34.2	34.2	35.4	35.0	34.7	36.0	34.9	34.9	35.5	36.0	34.8	33.8	34.8	34.5	34.9	34.4	34.9	35.0
523	4	M	34.6	35.1	34.7	34.4	35.6	34.1	35.3	33.8	33.2	34.1	33.8	33.0	34.1	---	---	---	---	---	---	---
524	4	M	37.0	36.9	37.2	36.7	37.2	35.7	35.9	36.3	36.3	35.7	36.0	37.1	34.6	36.5	---	---	---	---	---	---
525	4	M	34.6	35.2	35.7	34.7	35.6	34.4	35.2	34.7	35.2	37.0	35.3	35.2	35.2	35.0	36.2	36.0	37.6	36.0	37.8	37.9
526	4	F	28.1	29.7	29.0	29.1	31.6	30.6	33.6	31.5	33.1	31.2	32.0	33.5	32.7	34.8	35.5	35.5	37.6	35.9	38.9	37.6
527	4	F	26.0	24.7	23.5	22.1	20.1	20.6	21.1	20.9	19.8	19.7	20.0	19.9	20.8	20.6	20.4	20.5	20.8	20.0	20.5	20.1
528	4	F	24.6	27.6	24.7	25.8	26.7	25.5	28.4	27.0	28.4	27.8	29.3	27.9	28.3	30.6	29.3	31.4	29.6	31.6	32.0	31.1
529	4	F	32.4	36.6	35.1	38.8	37.5	37.7	39.8	40.6	37.1	40.4	37.7	40.3	40.1	39.8	38.6	42.7	41.3	43.0	43.6	43.9
530	4	F	30.0	31.8	29.2	31.1	31.2	33.2	34.4	32.0	32.6	34.2	34.6	33.2	36.4	33.0	36.3	37.2	38.6	38.5	38.2	37.4
531	4	F	31.8	34.9	31.6	32.0	32.3	33.2	36.4	36.4	34.5	34.8	36.0	36.8	37.0	36.4	36.3	38.6	37.9	38.5	41.4	39.6
532	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
533	4	F	26.3	28.4	26.6	29.5	27.2	28.0	27.8	26.8	27.5	31.2	28.5	30.6	30.0	---	---	---	---	---	---	---
534	4	F	28.3	28.2	30.1	29.4	30.3	30.7	30.5	32.1	31.9	33.3	31.6	33.7	33.4	35.4	33.2	35.2	36.9	35.0	35.5	36.0
535	4	F	30.7	29.7	29.7	31.5	32.8	30.5	32.3	33.0	35.6	32.4	34.3	33.7	33.6	35.6	33.9	34.6	36.4	34.9	37.0	38.4
536	4	F	27.8	26.7	28.2	25.7	27.9	27.9	27.6	27.6	28.8	28.6	29.4	31.1	31.4	29.5	29.0	30.7	34.2	31.4	32.0	33.0
537	4	F	28.5	28.0	28.2	28.6	28.7	28.9	30.3	31.2	29.5	31.8	31.9	32.9	34.1	32.1	35.1	33.1	33.4	34.4	33.0	35.5
538	4	F	28.3	28.3	31.1	27.8	32.2	31.3	32.5	34.8	31.1	35.5	33.3	34.1	32.7	35.6	34.1	37.0	34.8	36.3	34.2	34.0
539	4	F	34.1	36.3	32.2	34.9	37.9	36.5	37.0	36.2	40.4	38.3	40.0	38.1	40.1	---	---	---	---	---	---	---
540	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
541	4	F	31.5	36.6	34.3	33.4	36.8	35.5	38.1	39.2	39.7	39.7	38.8	38.6	41.0	42.2	39.6	43.3	41.3	43.6	42.9	45.0
542	4	F	27.7	32.8	29.9	30.2	31.0	30.3	34.0	31.6	32.1	33.4	32.8	34.9	32.9	33.7	35.5	36.4	38.4	36.7	37.2	39.5
543	4	F	27.1	29.0	27.7	29.8	30.8	31.2	29.9	30.9	32.3	33.1	30.9	34.7	33.3	---	---	---	---	---	---	---
544	4	F	26.2	27.1	27.2	27.6	27.8	29.1	29.5	29.2	31.1	29.4	29.5	31.6	31.3	31.1	32.3	33.0	34.6	34.9	35.5	36.7
545	4	F	35.1	33.0	34.2	37.4	36.8	34.2	35.0	36.0	37.4	39.2	40.8	38.8	40.9	38.9	39.3	43.5	40.7	42.2	45.6	44.0
546	4	F	27.1	28.5	29.1	30.0	29.8	31.1	29.8	31.3	31.5	31.4	32.7	33.4	31.1	34.0	30.8	33.1	33.8	36.0	34.3	34.9
547	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
548	4	F	24.9	25.6	25.7	26.3	26.4	26.8	27.1	27.2	27.0	28.1	28.6	28.1	28.8	29.0	28.9	31.3	30.9	30.4	30.5	30.9
549	4	F	26.6	27.0	27.9	28.3	28.9	28.8	29.5	28.6	30.2	30.2	30.2	31.8	31.0	31.0	32.4	31.5	33.1	32.5	34.2	34.5
550	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
551	4	F	29.4	28.4	29.4	28.8	28.1	29.9	32.6	30.2	33.2	31.7	31.8	32.8	33.4	32.9	31.8	32.9	35.1	35.6	35.1	34.7
552	4	F	25.8	26.7	26.8	26.8	28.0	26.2	28.7	27.4	28.2	29.0	28.8	29.3	28.4	29.8	30.6	31.5	29.5	30.0	30.6	32.7
553	4	F	27.2	29.7	27.0	27.7	27.4	30.6	28.9	31.1	28.0	29.3	28.2	30.7	29.7	---	---	---	---	---	---	---
554	4	F	27.8	29.2	28.5	30.3	28.9	31.9	30.8	31.4	33.4	35.5	32.4	35.2	36.2	35.7	37.0	35.9	38.7	36.1	38.9	38.2
555	4	F	27.5	30.0	27.5	28.0	28.7	27.9	29.5	28.9	29.3	29.6	29.2	30.7	31.2	---	---	---	---	---	---	---
556	4	F	27.4	30.5	28.4	30.6	30.4	30.8	31.0	31.7	34.2	33.1	34.0	32.1	33.3	---	---	---	---	---	---	---
557	4	F	26.8	28.2	28.4	29.2	29.6	31.3	29.6	31.7	30.4	31.6	33.3	31.5	34.4	32.0	33.6	34.6	35.2	36.5	37.0	36.4
558	4	F	29.4	27.4	28.1	28.8	29.4	28.7	29.5	29.3	30.1	29.9	33.3	31.8	33.8	30.9	33.9	33.9	35.8	35.6	35.0	35.9
559	4	F	29.4	29.9	32.1	30.6	31.7	31.4	31.7	34.6	34.8	37.3	34.5	36.3	35.2	36.1	38.3	39.5	41.7	39.9	40.7	41.7
560	4	F	31.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
561	4	F	30.8	33.9	35.5	32.9	33.7	34.8	35.4	35.2	36.0	38.6	34.9	37.5	38.7	38.3	40.1	42.6	40.5	41.8	43.7	43.8
562	4	F	26.9	26.1	27.8	26.1	27.9	25.9	26.6	28.4	25.9	26.9	28.5	27.3	29.0	28.8	27.2	29.4	30.0	28.7	30.0	29.8
563	4	F	29.1	30.5	29.3	31.4	29.6	29.2	30.3	30.4	30.4	32.4	31.2	34.3	31.2	32.4	33.2	35.0	34.2	35.4	35.7	36.7
564	4	F	29.1	28.2	29.5	30.6	29.5	30.8	31.5	30.4	32.6	30.6	32.6	34.0	31.3	34.4	32.1	32.8	36.3	34.9	34.9	36.8
565	4	F	29.3	29.5	31.5	31.5	31.3	33.6	32.4	32.0	32.2	36.1	32.2	33.6	35.8	---	---	---	---	---	---	---
566	4	F	26.8	29.6	28.6	30.7	28.1	31.2	29.1	28.3	29.9	34.2	29.8	29.8	31.3	32.4	31.6	35.1	35.4	34.2	35.3	36.7
567	4	F	29.5	29.6	33.0	32.7	33.5	33.6	33.9	33.3	32.6	33.0	34.3	34.4	36.1	35.3	35.7	37.4	38.8	41.5	39.4	41.3
568	4	F	25.8	27.4	30.0	26.9	28.9	28.9	31.6	30.0	30.7	31.8	32.1	31.1	32.1	32.9	34.0	33.1	36.0	34.9	36.3	36.9
569	4	F	28.2	28.4	27.5	28.4	28.8	28.6	29.3	29.6	29.3	30.6	30.3	32.9	32.5	31.7	31.8	32.2	34.2	31.4	32.8	33.1
570	4	F	28.0	30.0	27.7	29.7	30.1	30.7	30.2	31.2	31.6	32.1	32.4	33.2	32.6	---	---	---	---	---	---	---
571	4	F	25.3	26.1	27.4	28.3	27.3	27.6	27.6	28.1	28.0	28.6	28.3	28.7	31.9	30.5	32.6	30.5	32.8	30.6	31.4	31.7
572	4	F	26.4	25.3	25.5	26.6	25.9	28.2	29.7	27.8	29.6	28.3	29.1	29.3	28.9	31.3	30.4	31.8	33.4	31.8	33.7	34.1
573	4	F	26.9	28.8	28.5	28.2	28.4	29.2	29.4	31.1	30.6	32.2	30.6	32.1	33.1	31.4	33.3	33.0	34.4	33.6	33.8	32.6
574	4	F	27.8	29.8	29.8	31.2	31.4	28.6	32.6	29.8	32.2	30.8	31.3	33.3	31.4	35.2	32.2	35.7	34.3	34.6	37.3	34.8
575	4	F	31.7	31.6	32.4	33.4	32.9	33.9	34.3	35.6	35.7	36.1	35.0	36.8	35.9	37.8	36.3	38.6	38.0	39.4	38.2	40.2
576	4	F	32.4	31.1	31.1	30.9	32.7	35.0	34.7	37.4	34.3	36.9	38.8	37.9	40.5	38.6	38.8	41.8	43.9	43.8	46.4	43.8
577	4	F	28.0	29.8	28.2	28.3	28.6	30.6	29.0	30.7	30.0	34.4	30.9	31.0	32.2	36.0	33.3	35.9	34.3	33.5	32.4	32.1
578	4	F	24.8	25.7	24.9	26.2	25.7	27.0	25.7	25.4	26.5	28.4	25.4	26.7	27.8	27.8	27.7	27.1	29.6	28.4	29.6	29.9
579	4	F	21.6	23.6	23.0	23.6	23.0	23.2	24.2	22.5	23.1	24.0	23.2	23.8	25.3	23.8	24.6	25.5	25.0	25.4	26.2	24.7
580	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
581	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
582	4	F	28.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
583	4	F	26.1	28.6	27.9	27.6	28.7	29.4	28.3	29.4	31.5	31.1	30.8	32.6	32.9	32.3	33.4	33.1	33.4	33.1	34.5	35.2
584	4	F	24.1	26.3	26.0	26.4	26.7	27.5	29.6	28.6	26.8	28.9	28.3	28.7	29.1	30.1	29.9	30.7	32.2	33.1	32.6	33.0
585	4	F	28.3	29.9	29.4	29.7	33.6	30.4	30.6	31.8	31.0	33.3	34.5	32.3	33.7	33.6	35.2	39.0	36.6	35.2	36.8	37.2
586	4	F	25.7	26.4	26.9	27.0	27.8	28.4	28.0	27.8	27.3	29.5	28.9	29.5	28.2	28.5	29.6	30.6	30.1	29.4	30.9	28.7
587	4	F	26.5	28.3	26.9	28.4	27.9	27.6	27.2	28.7	27.4	29.1	29.6	29.0	29.1	29.3	30.0	31.4	31.6	30.3	31.6	32.1
588	4	F	29.3	30.3	32.7	33.7	33.0	33.3	34.6	36.3	35.3	36.5	36.5	38.4	37.7	38.2	40.2	37.8	41.6	39.7	42.0	43.8
589	4	F	27.2	28.7	28.9	28.9	29.8	30.1	30.1	30.3	31.2	31.1	32.6	32.9	33.3	33.1	33.7	33.4	34.2	35.0	35.3	35.0
590	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
591	4	F	29.3	30.1	31.3	29.3	31.2	30.4	33.2	31.2	33.8	32.7	34.9	33.6	35.2	35.7	35.9	36.3	37.0	38.8	36.9	35.9
592	4	F	28.3	29.1	28.8	28.2	31.8	29.7	30.8	31.6	30.2	31.5	31.6	31.8	32.2	34.1	34.6	33.7	34.8	34.4	36.6	34.9
593	4	F	28.4	31.4	28.3	28.6	28.9	29.9	28.4	29.7	32.6	33.1	30.5	32.8	31.5	34.5	32.5	35.0	33.8	35.6	33.9	36.3
594	4	F	28.8	30.2	29.0	31.1	30.8	32.0	32.3	33.6	31.0	33.4	34.3	34.5	33.5	35.8	35.9	37.6	37.3	37.5	35.6	38.1
595	4	F	29.2	29.0	30.7	29.0	31.1	32.3	30.5	32.2	30.7	32.9	32.9	---	---	---	---	---	---	---	---	---
596	4	F	27.0	29.3	28.4	27.8	28.4	28.6	29.9	28.7	28.5	28.3	26.5	[illegible]	27.0	29.6	28.6	30.2	31.5	31.3	30.4	32.0
597	4	F	27.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
598	4	F	34.4	34.3	36.2	33.9	36.8	35.3	35.8	38.0	36.7	35.9	39.8	35.2	38.2	---	---	---	---	---	---	---
599	4	F	27.2	25.8	24.4	26.8	26.7	28.1	27.3	27.7	28.1	28.0	28.5	30.3	27.9	---	---	---	---	---	---	---
600	4	F	27.3	27.5	27.4	27.0	29.1	29.6	29.1	30.3	29.6	32.0	29.7	31.6	30.9	32.2	31.9	32.3	33.5	35.1	35.1	35.0

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
1	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2	1	M	46.8	47.1	48.0	47.5	47.7	46.0	46.3	47.6	48.5	48.8	48.7	48.8	47.4	45.2	40.8	38.9	38.3	38.3	37.7	38.2
3	1	M	33.6	34.6	35.0	34.3	34.3	33.1	32.5	33.2	34.1	33.8	33.6	33.8	33.0	32.7	32.2	32.8	32.7	---	---	---
4	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	1	M	40.1	41.2	42.0	41.2	42.2	41.1	40.2	41.1	41.8	41.7	41.6	41.8	42.1	41.7	40.5	40.5	40.5	39.8	39.2	39.1
6	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	1	M	41.1	41.6	41.4	41.4	41.7	40.8	39.1	40.8	41.0	41.3	41.1	41.0	41.4	40.7	40.4	40.4	40.4	39.5	36.9	36.4
8	1	M	47.8	48.2	48.0	47.4	46.9	44.8	44.9	45.6	46.3	45.6	43.2	42.8	43.3	43.4	42.2	41.7	35.2	---	---	---
9	1	M	39.8	40.6	40.3	40.1	40.1	39.6	37.6	39.1	39.8	39.4	38.2	38.2	37.4	37.6	36.3	35.6	35.4	35.8	---	---
10	1	M	38.4	39.1	37.9	36.2	35.4	34.3	32.8	32.7	31.8	31.7	31.9	30.8	30.8	31.3	35.7	35.9	35.3	35.0	34.9	35.1
11	1	M	42.4	44.2	44.5	44.6	45.2	44.0	42.7	44.9	44.0	44.7	43.9	44.7	44.5	44.0	43.7	43.9	43.1	42.2	42.7	42.8
12	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	1	M	40.3	41.7	41.7	40.5	41.9	40.7	40.0	42.2	42.6	42.9	43.0	42.7	42.5	42.2	42.5	42.0	42.2	41.9	41.6	41.1
14	1	M	38.3	39.9	39.4	37.9	39.7	38.6	37.8	40.5	39.8	40.5	40.1	41.3	41.0	41.0	40.9	40.4	40.4	39.5	39.6	38.8
15	1	M	36.2	36.6	36.2	35.6	36.0	35.9	35.8	36.1	36.7	35.0	34.7	33.7	33.7	33.9	33.3	33.7	33.2	33.6	32.2	32.2
16	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	1	M	52.0	51.1	50.3	50.9	50.7	50.5	49.1	50.7	51.7	50.9	50.8	50.1	50.1	50.5	51.0	50.5	47.5	48.6	49.3	49.0
18	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	1	M	35.2	35.6	35.8	35.4	36.1	35.2	34.7	35.9	35.9	35.8	35.6	35.4	35.3	35.5	35.5	34.5	34.1	33.8	32.0	31.8
20	1	M	39.8	39.1	38.8	38.4	39.9	39.5	38.3	39.4	40.1	39.5	39.7	41.2	39.1	39.4	40.5	39.9	40.4	41.1	43.5	41.5
21	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	1	M	46.5	46.2	46.8	46.4	46.8	45.6	46.2	47.2	46.8	47.3	47.0	47.3	47.0	47.3	46.4	47.4	47.9	47.3	46.7	46.7
23	1	M	48.7	48.8	48.9	48.2	47.7	46.8	46.2	48.3	48.1	48.5	48.0	48.4	48.4	47.0	44.3	44.4	42.7	42.5	42.0	41.6
24	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	1	M	45.2	45.4	45.6	45.4	44.9	44.1	44.2	44.7	44.8	44.6	44.4	43.8	43.6	43.7	42.7	43.3	43.7	42.1	42.8	42.4
26	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	1	M	43.5	43.7	44.0	43.8	44.1	43.2	41.7	39.5	40.4	---	---	---	---	---	---	---	---	---	---	---
28	1	M	54.0	53.5	54.3	53.2	53.7	52.2	51.0	52.9	53.1	53.2	53.0	53.3	52.9	52.5	51.4	52.2	51.2	50.3	50.5	49.0
29	1	M	42.2	42.0	42.3	41.7	42.2	41.3	39.0	40.4	41.8	41.2	41.4	41.1	41.7	41.1	41.1	41.0	40.7	40.2	39.2	39.3
30	1	M	44.3	44.5	44.7	43.8	43.9	40.5	40.4	42.6	43.8	43.2	43.0	43.2	42.5	42.9	41.8	40.5	39.6	39.0	37.6	37.1
31	1	M	49.2	49.1	49.9	49.4	50.1	50.1	48.6	49.2	49.9	49.7	49.5	48.9	48.7	47.1	49.2	48.6	48.8	48.0	47.5	46.5
32	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33	1	M	50.5	49.6	50.3	49.7	48.5	48.8	47.8	48.9	49.0	48.4	46.8	47.7	47.5	47.1	43.4	40.8	39.0	38.6	38.6	39.0
34	1	M	49.6	49.7	50.1	49.6	49.5	49.0	45.1	45.6	46.3	47.3	46.3	46.6	44.6	43.8	44.2	44.1	44.5	42.8	41.8	41.0
35	1	M	42.9	43.6	43.8	43.7	43.4	43.7	42.4	43.4	44.0	44.0	43.4	43.8	42.9	42.5	43.0	43.0	42.5	41.6	41.3	40.5
36	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
37	1	M	37.8	37.6	37.9	37.6	36.9	35.9	35.3	36.5	37.0	36.4	36.8	35.7	36.8	36.0	35.5	35.8	35.2	35.8	34.9	35.4
38	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39	1	M	47.6	47.2	47.4	46.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40	1	M	41.2	40.8	41.0	39.9	40.0	38.2	38.0	37.9	39.5	40.9	42.7	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
41	1	M	36.9	36.4	35.5	36.0	36.3	35.8	35.2	36.2	36.6	36.4	36.6	36.4	36.6	36.2	35.4	34.9	34.7	35.1	34.5	33.8
42	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
44	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
45	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
46	1	M	42.8	42.0	42.9	41.3	41.0	41.3	39.8	40.6	40.6	40.0	40.3	39.9	40.2	40.1	39.7	38.5	37.4	37.8	37.9	37.2
47	1	M	37.0	37.1	37.7	37.0	37.5	38.5	36.9	37.7	37.7	37.9	37.8	37.7	38.0	37.5	37.0	36.1	36.9	36.1	36.2	35.9
48	1	M	36.6	36.3	36.6	36.0	37.2	38.4	37.2	---	---	---	---	---	---	---	---	---	---	---	---	---
49	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
51	1	M	39.7	39.9	38.9	38.3	39.3	38.7	38.6	38.3	37.6	38.6	39.3	39.7	40.3	39.1	37.9	39.3	39.1	39.6	39.4	39.4
52	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
53	1	M	41.8	42.3	41.4	41.4	41.1	40.7	41.1	40.4	40.0	40.0	39.3	39.8	39.0	38.8	38.4	37.4	37.0	37.1	35.7	35.8
54	1	M	44.2	43.9	43.9	44.1	44.8	44.2	44.6	44.2	44.1	44.6	44.8	44.6	45.5	44.6	45.4	44.5	43.9	43.6	43.4	43.8
55	1	M	44.5	44.3	44.2	44.5	44.9	44.5	44.5	43.2	40.0	40.7	39.6	40.5	37.1	39.7	38.7	39.3	39.6	39.1	38.4	38.5
56	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
57	1	M	46.8	46.3	46.7	46.6	47.3	47.2	45.4	46.0	45.7	44.8	44.3	43.0	41.2	38.6	38.8	38.7	38.5	38.5	38.0	38.7
58	1	M	44.7	43.7	43.4	43.6	43.6	43.9	41.7	43.2	42.8	43.6	42.8	42.9	42.7	42.6	42.7	43.0	42.3	42.0	42.6	42.3
59	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
60	1	M	38.0	36.6	36.7	36.5	36.7	36.7	36.3	37.4	37.4	36.8	36.6	35.8	35.8	36.0	35.4	35.0	34.9	34.8	34.1	34.1
61	1	M	49.7	49.9	49.5	48.8	50.5	49.4	48.4	49.2	48.8	49.0	49.5	49.1	48.5	48.8	48.5	48.6	47.5	47.0	47.0	46.6
62	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
63	1	M	46.9	47.0	47.2	46.2	47.5	47.6	45.6	46.7	46.6	46.1	46.4	45.8	45.1	44.8	45.2	45.6	45.0	45.1	44.7	44.8
64	1	M	40.8	40.2	40.1	40.1	40.4	40.1	39.5	39.8	40.1	40.7	40.9	39.9	39.2	38.3	38.3	38.5	37.0	37.9	37.3	36.8
65	1	M	43.3	41.7	40.8	39.4	40.7	39.5	36.9	---	---	---	---	---	---	---	---	---	---	---	---	---
66	1	M	47.0	45.3	46.9	45.8	46.2	48.1	44.8	45.8	47.1	47.0	46.8	46.4	47.9	47.0	46.7	47.6	48.0	47.4	46.5	45.6
67	1	M	42.0	41.3	40.7	39.2	39.3	38.7	37.3	37.9	38.2	36.3	35.9	34.3	31.3	31.5	29.1	25.9	28.1	26.3	24.9	23.2
68	1	M	51.8	51.7	51.0	50.5	51.1	52.7	48.9	51.0	51.8	51.0	51.2	50.6	---	---	---	---	---	---	---	---
69	1	M	45.3	46.8	45.2	44.5	44.5	46.1	42.4	44.4	45.1	44.3	44.2	43.5	44.7	44.6	44.1	44.7	45.4	44.4	43.5	43.2
70	1	M	50.1	49.8	49.8	48.1	49.2	49.5	46.7	49.4	49.8	49.6	47.9	49.7	50.2	49.7	49.0	48.8	48.3	47.7	45.1	44.8
71	1	M	39.4	38.4	39.1	39.2	41.0	41.0	39.8	41.2	39.9	40.0	40.1	40.3	39.8	39.1	38.6	39.2	39.[illegible]	39.2	37.8	37.2
72	1	M	37.8	37.5	37.8	37.4	39.0	38.0	37.3	38.1	38.2	36.9	38.5	38.3	38.2	38.8	39.2	38.8	39.1	39.2	37.2	37.0
73	1	M	44.0	42.8	43.3	42.4	44.3	43.7	40.5	42.2	42.8	41.7	41.2	41.2	41.0	40.9	40.4	39.6	39.8	38.9	36.6	36.6
74	1	M	38.3	38.6	37.7	38.0	38.8	38.9	36.9	38.9	39.4	38.6	38.2	38.0	37.9	35.3	---	---	---	---	---	---
75	1	M	38.6	39.5	39.0	38.8	38.4	39.6	36.1	37.6	38.7	37.1	38.0	36.8	37.7	37.3	36.5	36.7	36.6	36.8	35.6	35.4
76	1	F	33.6	32.9	34.3	34.2	36.0	34.2	34.3	33.8	36.4	35.6	39.0	---	---	---	---	---	---	---	---	---
77	1	F	47.1	46.0	47.8	48.9	47.6	47.3	43.1	41.7	40.7	---	---	---	---	---	---	---	---	---	---	---
78	1	F	40.4	41.0	41.3	42.9	40.5	42.1	40.8	41.7	43.2	38.9	42.5	43.1	42.0	43.2	39.8	42.3	40.2	39.6	40.3	42.1
79	1	F	32.6	34.0	34.8	35.2	35.7	35.9	35.0	37.7	35.6	35.2	36.3	37.3	36.5	36.1	36.2	35.4	35.5	35.3	36.4	36.6
80	1	F	43.7	45.4	44.6	46.0	45.3	46.6	44.1	44.2	46.9	47.6	47.2	44.8	42.9	45.7	44.3	44.2	43.2	39.2	39.7	40.3

--- = NO AVAILABLE DATA

Table VII.2 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
81	1	F	45.5	46.0	45.6	46.9	45.5	46.3	44.8	46.6	46.2	46.1	45.7	46.0	46.3	44.8	44.7	44.5	44.3	43.4	42.9	42.4
82	1	F	41.6	42.0	40.8	41.8	43.1	41.9	40.6	43.4	41.3	42.4	43.0	43.3	44.0	44.8	43.6	43.9	42.9	43.5	42.7	42.8
83	1	F	39.6	40.6	41.4	38.0	42.8	42.4	37.7	41.6	43.0	40.6	43.7	40.8	44.9	41.0	41.0	39.2	39.0	37.8	37.2	37.5
84	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
85	1	F	38.4	38.1	38.4	38.4	39.4	37.5	39.9	39.9	40.8	42.1	40.4	40.6	40.7	39.2	40.8	40.2	40.2	39.2	38.2	39.2
86	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
87	1	F	38.2	34.2	37.0	39.6	36.3	36.2	36.1	36.8	36.3	36.1	36.1	36.4	36.7	37.7	36.2	35.3	33.4	32.4	32.5	33.1
88	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
89	1	F	40.3	39.8	41.5	39.1	41.0	40.1	39.5	40.5	41.1	42.7	38.9	40.2	34.8	29.7	---	---	---	---	---	---
90	1	F	27.3	26.9	26.7	27.0	26.6	26.0	24.8	26.6	27.3	27.3	27.0	26.9	26.2	26.4	26.4	24.9	25.1	24.7	25.0	24.8
91	1	F	44.0	43.3	43.3	44.3	44.2	41.4	43.0	42.4	41.1	41.8	42.4	41.5	44.2	41.5	38.9	41.6	41.8	41.1	40.3	39.2
92	1	F	36.1	37.0	35.4	35.7	37.1	34.4	36.4	37.9	37.9	35.8	36.2	36.2	36.4	36.4	36.3	34.4	34.7	34.4	32.0	---
93	1	F	37.9	37.3	39.2	37.5	38.2	36.3	36.5	35.3	36.2	36.6	36.4	35.2	35.7	36.0	36.9	37.1	36.4	36.4	35.6	36.2
94	1	F	43.5	43.8	45.6	44.1	44.0	40.1	35.4	---	---	---	---	---	---	---	---	---	---	---	---	---
95	1	F	36.6	37.3	35.6	37.2	37.9	35.1	37.1	36.4	36.9	36.8	35.9	38.8	34.3	37.0	36.5	37.7	37.0	37.2	36.4	36.0
96	1	F	43.3	45.1	44.9	45.6	44.0	42.8	43.8	43.7	45.8	46.6	47.8	46.4	47.6	48.6	49.1	48.2	48.4	46.7	46.5	46.1
97	1	F	40.2	43.1	41.3	42.1	39.0	36.8	37.2	35.3	35.5	33.9	34.4	---	---	---	---	---	---	---	---	---
98	1	F	42.1	44.2	42.1	42.9	43.7	40.9	38.9	42.4	39.4	41.1	41.0	42.7	42.4	41.3	41.5	44.0	39.9	40.4	40.7	39.7
99	1	F	[illegible]	44.8	46.9	47.2	46.6	46.2	46.3	47.3	46.7	49.5	47.9	48.1	47.8	48.9	49.8	48.6	48.2	46.4	46.2	45.5
[illegible]	1	F	43.9	45.5	46.8	46.7	46.8	45.9	44.0	46.4	47.4	44.2	41.6	43.6	44.0	45.1	46.0	46.6	---	---	---	---
[illegible]	1	F	43.1	41.8	44.8	41.9	43.7	43.4	41.8	45.2	43.1	44.0	44.0	44.0	42.8	43.1	42.6	42.6	43.0	42.0	42.5	42.9
[illegible]	1	F	31.1	31.8	30.3	29.8	30.6	30.6	28.0	28.3	27.8	---	---	---	---	---	---	---	---	---	---	---
[illegible]	1	F	[illegible]	42.6	45.1	41.5	41.1	40.8	43.0	41.1	43.2	40.1	40.4	28.5	32.3	33.3	33.7	33.5	33.7	31.9	32.8	32.6
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
[illegible]	1	F	[illegible]	29.7	30.3	31.4	29.4	31.2	29.2	30.3	32.2	29.3	29.0	29.5	30.6	28.3	29.3	29.8	28.8	28.9	28.3	28.7
[illegible]	1	F	[illegible]	42.4	44.0	42.8	43.3	42.1	42.4	44.2	42.6	41.1	43.9	42.2	40.3	41.1	40.1	40.2	36.2	27.8	---	---
[illegible]	1	F	[illegible]	37.4	37.6	38.4	37.6	36.2	35.5	38.0	38.0	36.7	36.6	36.3	36.3	35.7	---	---	---	---	---	---
[illegible]	1	F	[illegible]	53.5	52.5	54.1	54.6	53.0	50.9	52.3	52.2	51.3	49.4	50.3	50.7	49.6	48.1	47.3	46.8	47.2	42.2	43.3
[illegible]	1	F	[illegible]	41.7	39.7	43.4	40.8	39.6	[illegible]	40.7	40.4	33.4	41.9	40.3	40.6	41.0	40.6	40.5	39.9	38.5	37.1	36.4
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
[illegible]	1	F	36.8	35.4	37.6	36.2	37.0	35.9	35.3	37.6	36.6	36.4	37.4	36.5	36.4	35.5	36.1	35.8	33.9	35.1	35.3	35.2
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
[illegible]	1	F	42.0	35.0	32.2	35.6	36.0	32.1	32.2	33.6	32.4	35.6	32.2	32.4	33.2	32.6	35.1	32.1	32.7	33.4	30.0	30.1
[illegible]	1	F	42.1	40.0	40.8	41.9	43.0	41.7	42.1	42.7	44.4	45.6	44.0	44.4	43.5	44.0	41.2	38.9	34.0	32.0	29.1	30.6
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
[illegible]	1	F	45.2	44.2	44.8	42.5	44.4	42.4	40.9	42.6	41.4	43.2	43.8	41.2	41.1	41.8	41.7	42.8	41.5	40.7	41.2	42.2
[illegible]	1	F	36.7	36.4	35.1	37.3	36.7	37.4	37.2	39.8	36.8	39.6	40.5	37.9	39.3	41.4	38.8	40.9	40.0	39.0	38.6	38.8
[illegible]	1	F	36.7	35.3	36.5	36.4	37.1	36.0	35.6	36.8	35.0	37.8	34.5	37.9	34.6	38.1	36.5	37.4	38.5	37.2	34.7	35.3
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- NO AVAILABLE DATA

Table VII.2 (continued)

[illegible] MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF [illegible] (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
121	1	F							---	---	---	---	---	---	---	---	---	---	---	---	---	---
122	1	F	[illegible]	[illegible]	[illegible]	[illegible]	41.4	39.2	38.5	40.0	40.5	40.6	39.7	40.2	38.5	39.4	41.2	37.0	37.1	36.2	37.0	35.1
123	1	F					---		---	---	---	---	---	---	---	---	---	---	---	---	---	---
124	1	F				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125	1	F				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
126	1	F		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
127	1	F	28.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
128	1	F	40.9	42.7	40.1	39.5	39.4	39.1	34.2	34.0	28.3	25.0	---	---	---	---	---	---	---	---	---	---
129	1	F	41.5	42.0	40.0	40.3	40.9	41.1	38.4	39.4	40.6	41.0	40.1	40.0	40.4	40.4	40.6	40.4	39.4	40.2	39.5	39.5
130	1	F	33.0	30.9	32.8	31.6	32.8	31.0	30.1	29.6	31.8	31.9	31.4	31.9	31.2	32.3	31.7	32.3	30.5	30.0	30.4	31.2
131	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
132	1	F	41.3	43.3	41.0	40.5	42.7	41.6	40.2	39.8	41.1	38.6	39.8	40.6	38.9	38.3	37.7	37.6	37.1	37.6	37.3	37.2
133	1	F	42.8	41.6	43.8	39.7	40.8	40.4	39.2	39.8	41.8	41.3	40.7	38.7	40.2	41.2	39.8	41.4	40.1	38.5	38.9	39.6
134	1	F	41.1	40.6	41.7	40.4	39.8	40.8	39.2	38.7	40.1	39.3	42.4	38.1	41.1	40.7	42.2	40.0	40.3	40.6	39.5	41.1
135	1	F	37.5	35.4	37.8	35.0	36.4	36.7	33.2	35.3	35.3	37.0	34.9	35.1	34.5	35.5	37.2	35.3	37.0	34.9	36.6	36.8
136	1	F	42.9	43.6	44.7	44.6	44.9	46.4	42.5	45.7	41.9	43.0	43.9	40.5	40.8	40.5	39.5	39.2	38.8	37.6	37.0	37.1
137	1	F	38.8	37.1	38.3	38.7	39.2	36.2	39.4	38.6	37.5	40.6	37.4	40.1	36.3	37.5	37.3	38.9	48.7	---	---	---
138	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
139	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
140	1	F	34.3	35.3	33.8	33.9	34.3	32.1	31.5	32.2	33.3	33.3	34.1	33.5	34.2	35.3	33.8	36.4	36.4	37.8	38.7	38.7
141	1	F	41.2	39.9	38.6	39.0	38.2	36.8	37.5	37.8	37.0	37.4	35.9	36.9	31.4	32.0	31.4	30.0	29.2	29.3	28.7	29.6
142	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
143	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
144	1	F	38.1	38.2	36.8	39.6	38.3	38.0	37.9	38.7	39.2	38.8	39.5	37.3	---	---	---	---	---	---	---	---
145	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
146	1	F	37.7	37.7	38.6	39.3	38.1	39.2	38.0	39.4	39.6	39.6	39.2	40.0	39.7	40.0	35.4	30.3	31.3	27.5	24.9	---
147	1	F	42.0	42.6	43.2	42.8	45.2	44.8	40.5	43.5	45.4	43.6	44.0	43.7	42.3	41.6	41.7	42.9	42.9	41.6	42.4	44.0
148	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
149	1	F	40.0	40.8	39.6	39.2	38.4	40.9	39.2	41.7	40.9	40.4	39.6	38.2	38.7	37.4	38.8	37.5	39.6	37.0	39.6	40.8
150	1	F	41.4	42.8	41.2	40.8	39.6	41.7	39.8	41.3	41.9	42.7	42.0	41.6	39.0	38.3	38.0	37.1	36.8	36.1	38.4	40.6
151	2	M	42.1	42.0	41.9	41.9	42.4	40.8	38.4	40.7	41.1	41.0	41.0	41.3	42.0	42.4	42.4	39.8	38.0	34.3	---	---
152	2	M	42.4	42.6	40.6	40.0	38.8	37.9	37.3	38.1	37.7	38.2	38.7	37.9	37.3	37.3	36.5	36.0	34.4	34.0	30.6	29.9
153	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
154	2	M	38.0	37.0	36.6	36.6	36.0	35.4	34.6	35.7	37.8	34.7	36.1	34.6	36.3	35.0	---	---	---	---	---	---
155	2	M	43.8	44.3	45.1	44.2	43.6	43.2	42.0	42.7	43.9	43.1	44.0	43.2	43.4	43.9	43.2	41.7	41.4	41.4	39.5	40.0
156	2	M	46.6	45.9	46.0	46.1	46.7	45.8	45.5	46.5	46.9	46.3	45.4	45.1	43.2	37.7	37.0	38.9	39.9	42.6	45.7	46.2
157	2	M	44.8	44.6	44.9	45.0	45.0	44.5	44.4	45.4	45.3	45.7	45.6	45.7	45.9	44.8	43.9	42.9	42.8	42.3	43.1	43.1
158	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
159	2	M	45.4	44.5	44.3	43.7	43.7	44.3	43.4	43.6	43.0	42.3	41.8	40.2	41.0	---	---	---	---	---	---	---
160	2	M	42.7	42.0	41.7	42.0	42.6	42.4	42.3	43.1	43.0	43.3	43.4	43.0	43.1	42.6	43.2	42.0	41.0	40.4	40.4	40.1

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
161	2	M	47.9	47.7	48.2	47.0	47.8	47.2	43.7	46.0	45.7	46.4	45.6	45.0	43.5	44.7	43.6	43.3	43.3	42.0	40.8	40.8
162	2	M	41.0	39.8	41.2	38.6	41.9	40.3	40.1	41.8	42.0	41.3	38.7	40.1	40.7	41.6	40.4	41.2	41.7	41.3	41.4	38.3
163	2	M	41.6	41.9	41.8	39.0	40.7	39.8	38.0	39.2	38.8	41.4	41.1	40.7	39.7	40.6	40.2	41.0	41.7	41.8	40.5	40.6
164	2	M	46.7	46.9	48.2	47.2	48.2	48.0	46.0	48.7	48.3	47.9	47.6	46.8	46.7	47.6	47.3	47.8	47.6	46.6	46.3	46.1
165	2	M	36.6	35.8	35.2	33.8	35.5	33.9	34.0	35.7	34.5	34.5	34.0	34.6	---	---	---	---	---	---	---	---
166	2	M	41.8	41.5	41.6	41.3	41.9	41.8	40.1	40.9	41.7	41.9	41.7	41.7	42.1	41.6	41.8	41.0	40.9	40.6	38.1	37.5
167	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
168	2	M	43.7	43.8	43.4	43.1	44.0	43.6	42.7	43.9	44.0	43.6	43.8	43.7	43.2	43.4	42.8	42.1	42.5	41.9	41.5	40.3
169	2	M	47.8	47.3	46.5	44.6	44.6	42.8	39.6	39.6	38.5	37.2	36.6	35.7	35.1	34.3	34.1	34.3	34.7	35.0	32.9	---
170	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
171	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
172	2	M	39.8	40.0	41.0	40.9	41.1	41.6	40.4	41.2	42.1	41.8	42.4	42.8	42.8	42.3	42.1	41.7	42.3	41.9	41.6	39.2
173	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
174	2	M	40.9	41.7	41.8	41.5	41.2	41.0	41.3	41.4	41.3	41.2	41.4	41.2	41.3	41.4	41.0	39.6	40.5	39.5	39.1	41.7
175	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
176	2	M	39.8	39.1	39.1	39.5	38.6	37.6	37.8	38.7	38.6	38.2	38.4	38.5	38.2	38.2	39.0	36.8	38.2	38.1	37.8	37.2
177	2	M	42.2	41.8	42.0	41.5	41.5	41.1	41.0	41.5	42.3	42.1	41.7	41.8	41.6	41.3	40.9	39.8	40.2	39.8	39.8	39.2
178	2	M	38.7	38.5	38.4	38.0	38.6	38.2	37.6	38.7	38.6	37.2	38.0	37.8	36.7	36.5	37.9	35.4	37.0	36.7	36.1	35.6
179	2	M	46.1	46.1	45.6	45.6	45.3	44.3	43.0	43.5	44.3	42.9	43.0	42.8	42.0	40.3	41.1	38.4	40.4	40.4	40.2	39.6
180	2	M	38.8	38.5	38.9	39.2	40.3	39.1	38.9	39.6	39.7	39.1	38.5	38.8	38.8	37.0	37.6	35.3	36.8	37.0	36.8	36.7
181	2	M	48.1	48.7	47.9	46.8	47.4	47.8	44.0	45.2	46.8	48.2	47.2	48.1	47.6	47.2	46.2	45.5	44.8	42.7	41.7	40.9
182	2	M	42.4	42.2	42.1	41.0	40.7	41.2	37.4	39.4	40.1	39.9	39.0	38.7	38.4	38.1	37.8	38.6	37.2	37.2	36.6	37.0
183	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
184	2	M	42.2	42.9	42.9	41.3	42.0	42.1	40.2	39.7	41.6	42.3	42.1	42.8	42.9	42.0	42.8	42.9	43.2	42.1	41.3	41.3
185	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
186	2	M	45.7	46.0	45.7	47.0	46.8	46.1	45.4	46.4	46.7	46.2	46.6	46.4	46.3	46.3	45.8	45.3	44.8	44.8	44.6	44.3
187	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
188	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
189	2	M	40.7	40.8	40.6	39.8	41.1	40.0	39.4	40.9	40.4	39.7	39.9	40.4	39.9	40.0	39.4	38.6	38.2	37.9	37.9	37.6
190	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
191	2	M	37.8	38.4	38.3	37.9	38.3	36.8	37.1	37.8	37.0	36.6	36.3	35.8	36.0	35.0	34.9	34.4	34.0	33.6	34.4	34.2
192	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
193	2	M	47.9	46.9	44.4	42.1	41.7	40.6	38.2	---	---	---	---	---	---	---	---	---	---	---	---	---
194	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
195	2	M	47.2	47.7	47.8	47.0	47.4	47.8	47.9	47.9	47.8	46.9	46.8	47.3	46.6	46.2	46.1	45.5	46.0	44.7	44.2	44.9
196	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
197	2	M	41.3	41.1	40.9	40.4	40.5	39.7	36.6	38.5	38.8	38.6	38.8	39.3	38.7	38.5	38.5	38.6	38.0	37.2	36.6	37.1
198	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
199	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
200	2	M	38.7	38.4	38.5	37.7	37.8	38.2	36.6	38.1	37.9	37.6	37.2	38.4	38.2	37.8	37.8	37.1	37.1	36.8	36.9	36.6

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
201	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
202	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
203	2	M	43.4	42.8	43.5	42.5	42.3	41.8	40.4	43.6	43.6	44.0	44.3	44.0	44.2	44.7	44.5	44.4	44.0	43.8	43.7	44.2
204	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
205	2	M	43.4	42.9	43.9	43.1	42.3	42.5	39.9	42.2	43.3	43.9	43.4	42.6	42.8	42.8	43.2	42.0	41.4	40.7	40.6	41.1
206	2	M	39.5	40.7	40.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
207	2	M	41.7	42.0	42.5	41.8	42.5	42.4	40.7	42.8	43.7	42.7	43.5	44.2	43.7	44.4	44.2	44.5	43.4	43.0	42.6	42.8
208	2	M	47.3	47.4	47.2	46.5	47.0	46.7	46.5	47.8	47.5	47.0	48.1	48.3	47.1	46.8	45.9	46.5	45.7	44.0	44.0	43.6
209	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
210	2	M	42.9	43.2	43.7	42.9	43.0	43.2	42.6	43.6	43.7	44.2	43.4	44.2	43.2	43.8	43.3	43.6	42.2	41.7	41.7	41.6
211	2	M	47.6	48.6	48.8	48.9	48.8	49.1	48.0	49.5	49.9	49.2	48.3	48.4	47.6	48.2	48.1	48.7	47.7	47.4	46.7	46.1
212	2	M	35.5	36.2	35.9	36.0	36.2	35.9	36.0	36.9	37.7	36.1	36.4	35.8	35.6	34.8	34.6	34.0	33.9	33.5	33.1	33.9
213	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
214	2	M	33.3	33.7	33.8	33.7	34.2	33.9	33.7	34.4	35.2	34.9	34.9	35.2	35.5	34.9	35.6	35.5	36.5	38.3	37.1	37.7
215	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
216	2	M	37.8	38.6	38.3	38.6	38.3	37.9	38.1	38.9	38.8	39.0	38.4	38.4	38.0	38.4	38.0	38.1	37.8	37.5	37.9	38.3
217	2	M	38.7	39.0	39.2	39.3	40.4	40.2	39.8	40.6	41.2	41.0	41.4	40.1	40.7	41.2	41.4	41.1	41.2	41.6	40.9	41.1
218	2	M	48.0	48.6	48.2	47.8	47.0	47.5	47.6	48.4	48.0	48.5	47.9	47.8	46.7	47.5	48.3	48.5	48.0	48.1	47.6	47.8
219	2	M	47.0	47.4	46.9	47.6	47.6	47.2	46.1	47.4	47.7	48.0	47.4	46.6	46.1	46.6	47.3	46.7	46.6	45.9	44.4	43.7
220	2	M	44.1	41.1	39.5	36.6	37.2	36.3	33.6	30.8	---	---	---	---	---	---	---	---	---	---	---	---
221	2	M	41.9	42.2	42.9	41.5	38.5	41.7	40.7	40.9	42.2	41.4	42.3	42.6	43.1	42.7	41.6	42.0	40.8	40.3	41.2	41.0
222	2	M	42.6	42.7	43.1	41.9	40.9	42.3	37.9	42.6	43.9	43.5	42.5	43.0	43.1	43.4	42.5	42.5	41.8	40.9	41.1	40.6
223	2	M	40.8	40.6	41.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
224	2	M	48.7	48.5	49.0	49.3	48.8	49.2	47.8	49.0	49.5	49.5	48.9	48.8	48.4	49.1	48.3	48.1	47.9	47.6	48.7	48.8
225	2	M	50.1	49.6	50.3	50.3	49.0	50.2	49.2	50.4	50.3	51.2	50.2	50.0	50.3	49.6	49.4	49.4	49.5	49.6	49.8	49.5
226	2	F	49.4	50.2	50.2	48.0	49.9	48.9	48.2	49.4	49.6	50.3	48.4	50.2	49.5	47.2	48.5	45.6	44.7	45.2	43.2	43.1
227	2	F	41.8	39.8	40.9	40.4	42.1	40.1	40.8	41.1	40.6	41.3	38.7	41.0	39.3	40.4	40.1	41.2	41.6	---	---	---
228	2	F	38.5	39.2	37.7	38.7	38.7	37.1	39.0	37.8	37.9	36.1	38.8	38.4	38.6	37.9	37.1	37.1	37.0	36.1	36.4	36.2
229	2	F	37.8	40.7	39.0	38.9	37.8	40.1	39.0	39.1	40.9	39.3	42.3	39.3	40.3	39.9	41.1	41.3	40.4	40.3	40.9	41.7
230	2	F	48.5	48.8	49.3	48.5	49.9	48.7	47.6	49.7	49.2	49.2	48.4	50.8	46.9	46.2	44.8	45.8	43.4	41.6	40.9	40.7
231	2	F	42.6	42.8	45.8	43.2	45.1	43.8	43.1	46.6	43.1	43.7	44.1	43.8	41.1	42.6	37.6	40.4	41.3	42.2	37.1	36.0
232	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
233	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
234	2	F	32.0	34.4	34.8	35.4	36.2	36.8	33.1	35.2	35.6	35.1	34.3	34.4	33.4	34.3	33.4	32.8	33.6	33.7	33.6	33.4
235	2	F	43.0	39.5	41.2	41.1	42.7	39.3	40.1	41.4	42.0	39.8	42.1	41.7	39.6	40.9	42.3	38.4	38.7	39.4	38.5	38.6
236	2	F	47.3	48.6	46.5	47.0	48.9	46.9	47.5	49.8	48.8	48.7	48.4	48.6	48.2	46.9	47.0	44.3	45.0	43.3	44.2	44.0
237	2	F	39.5	40.4	39.3	40.9	38.9	40.8	34.9	37.5	39.3	41.5	39.2	40.0	40.0	42.7	41.0	40.1	40.1	39.8	40.1	39.8
238	2	F	41.5	41.3	42.3	43.1	42.0	43.5	42.9	41.3	43.7	42.1	42.9	42.7	43.0	43.2	43.4	44.4	43.0	42.9	44.2	44.0
239	2	F	45.5	47.6	46.0	45.7	45.2	45.9	44.5	46.4	45.6	45.8	45.1	44.5	47.6	45.2	46.3	43.3	44.3	44.1	40.4	39.4
240	2	F	43.7	45.1	46.6	45.2	47.7	46.5	44.2	49.3	46.7	44.4	48.2	45.7	46.1	42.8	40.4	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

			TEST WEEK																			
ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
241	2	F	34.2	35.0	36.4	34.9	35.5	33.9	32.3	34.3	34.0	36.2	33.8	33.4	34.2	35.2	34.4	33.4	35.2	34.6	35.2	32.6
242	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
243	2	F	43.9	44.9	45.9	46.0	45.3	46.8	43.1	46.5	45.4	47.8	46.7	49.2	45.2	47.2	43.6	41.9	41.0	34.3	36.0	---
244	2	F	35.3	33.2	35.1	34.1	35.6	36.2	35.7	35.3	36.9	37.2	37.2	38.2	37.2	37.1	37.1	38.7	37.6	38.6	38.5	38.5
245	2	F	46.5	51.0	49.9	49.3	49.3	49.5	48.0	49.2	51.5	49.7	51.5	49.4	50.6	50.1	49.8	49.6	51.2	47.8	48.8	48.9
246	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
247	2	F	42.4	40.8	42.1	43.7	41.2	42.7	42.2	42.6	43.0	44.8	42.6	43.3	42.6	41.9	41.8	38.8	36.9	38.2	36.4	35.9
248	2	F	42.1	44.8	42.0	43.1	42.1	39.7	33.2	29.4	32.3	36.1	38.8	34.3	---	---	---	---	---	---	---	---
249	2	F	47.1	49.2	49.7	49.5	48.7	49.6	43.9	37.3	34.0	---	---	---	---	---	---	---	---	---	---	---
250	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
251	2	F	36.0	38.2	35.5	38.2	37.6	36.6	38.6	36.7	36.4	35.1	36.8	35.9	34.7	35.0	35.8	32.9	34.2	33.9	31.9	32.4
252	2	F	35.9	37.4	36.6	35.0	37.6	35.8	36.9	35.1	35.8	35.9	36.8	35.6	35.7	35.6	35.1	35.1	37.8	45.6	---	---
253	2	F	49.2	50.6	52.8	48.2	52.6	50.3	51.5	49.7	51.4	50.5	53.5	52.2	54.7	50.6	46.6	41.2	39.7	40.1	---	---
254	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
255	2	F	35.3	35.8	35.2	36.4	34.8	34.6	32.8	32.2	33.2	33.3	33.0	33.5	35.3	34.7	40.2	---	---	---	---	---
256	2	F	41.0	42.5	42.3	44.2	44.9	42.1	40.1	43.0	44.5	41.3	43.2	42.6	43.8	40.3	42.1	41.9	40.2	35.7	34.6	35.5
257	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
258	2	F	47.3	44.6	44.8	45.4	46.5	45.7	44.8	46.8	44.5	43.8	46.3	43.3	45.0	44.5	44.0	43.0	45.5	43.6	43.5	42.0
259	2	F	35.4	36.5	35.4	36.6	35.6	35.0	34.4	34.0	35.3	35.9	34.8	36.0	35.0	36.7	36.2	36.9	36.6	37.6	35.1	36.1
260	2	F	34.1	32.9	33.9	34.0	33.7	34.5	31.5	33.6	35.8	32.7	33.1	32.7	32.7	32.6	32.7	31.9	31.6	32.3	31.9	31.5
261	2	F	35.0	37.0	34.4	36.5	35.0	35.1	33.2	34.2	34.0	33.4	34.1	31.6	33.8	34.9	36.5	35.2	34.7	32.3	34.0	34.6
262	2	F	39.4	41.8	41.9	38.6	39.9	38.2	38.7	39.3	37.3	38.7	38.8	39.7	37.7	39.0	38.5	38.6	36.8	37.8	38.8	37.1
263	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
264	2	F	40.7	41.1	40.7	42.1	40.7	40.1	40.1	39.6	37.7	38.2	37.1	37.6	38.3	36.6	37.0	36.1	34.7	34.7	35.3	35.2
265	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
266	2	F	36.3	36.7	36.2	37.0	35.9	37.4	33.8	34.8	36.7	32.7	32.8	35.2	33.3	35.1	33.2	34.3	32.8	32.8	33.8	34.0
267	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
268	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
269	2	F	33.8	36.3	32.6	34.9	32.7	34.2	32.1	35.5	34.7	32.9	32.6	33.4	33.9	35.2	33.0	33.0	33.2	33.0	32.4	32.8
270	2	F	47.3	46.5	48.5	46.6	45.5	47.2	43.4	44.6	46.3	46.6	43.6	45.0	45.7	44.7	46.3	46.6	45.0	43.3	41.9	41.2
271	2	F	43.4	43.4	41.1	44.0	43.3	43.2	40.3	43.4	42.2	42.2	42.6	41.8	41.3	41.1	41.6	42.0	44.4	43.2	45.7	---
272	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
273	2	F	33.8	31.7	32.8	33.4	32.1	32.7	31.9	32.3	32.0	32.4	31.9	32.7	32.8	32.0	33.6	32.3	32.4	31.8	30.7	30.6
274	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
275	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
276	2	F	37.6	37.7	38.2	36.7	37.6	36.1	37.4	38.5	39.2	37.1	37.1	37.2	39.2	39.0	38.8	38.2	38.2	37.3	38.2	37.7
277	2	F	51.1	49.3	50.5	48.9	49.4	51.6	49.8	48.9	49.5	47.5	46.0	45.2	46.5	47.6	47.7	48.1	45.9	45.9	45.8	45.7
278	2	F	40.7	40.6	40.7	39.1	39.1	40.3	37.9	39.0	38.0	38.0	36.6	36.9	36.6	35.9	35.4	33.7	31.2	30.1	29.0	28.1
279	2	F	50.6	50.5	50.4	48.7	46.4	39.9	33.6	34.2	33.1	30.4	33.9	35.4	34.7	33.8	34.8	36.7	34.8	35.7	35.8	35.6
280	2	F	48.7	47.4	47.8	44.3	44.8	44.7	41.9	43.9	43.8	45.6	44.5	46.8	45.2	47.4	47.7	45.9	45.8	48.4	48.3	47.6

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
281	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
282	2	F	31.3	32.2	32.4	31.6	31.1	30.2	30.7	31.0	30.7	30.2	30.2	29.6	30.6	30.6	29.1	29.9	31.3	32.1	31.5	31.6
283	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
284	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
285	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
286	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
287	2	F	41.5	42.9	43.7	41.9	42.0	41.9	40.6	42.8	43.2	43.6	43.4	42.7	41.5	43.0	43.4	42.0	41.6	41.6	41.1	41.7
288	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
289	2	F	37.2	37.9	38.1	35.8	37.7	38.1	37.8	39.4	39.3	39.3	39.5	38.4	38.5	37.2	37.3	36.5	35.4	35.8	33.2	34.6
290	2	F	46.7	49.3	48.3	49.5	49.7	49.2	49.1	49.4	52.2	51.3	51.5	52.5	51.5	51.8	53.0	52.7	50.0	51.9	50.8	51.1
291	2	F	55.1	54.5	55.7	56.5	56.2	55.2	55.1	54.3	52.6	---	---	---	---	---	---	---	---	---	---	---
292	2	F	33.3	32.7	32.4	32.4	32.2	31.7	30.9	31.8	32.0	32.3	32.8	33.2	32.7	32.8	31.6	30.9	29.7	30.0	28.2	28.2
293	2	F	39.3	39.4	40.4	39.5	39.4	40.3	38.4	40.8	41.0	39.1	40.3	40.9	38.9	40.1	37.2	37.2	35.5	32.1	29.7	29.0
294	2	F	41.0	40.3	39.6	38.8	39.2	39.8	35.5	39.2	40.1	36.0	39.0	38.8	38.6	37.6	34.9	33.8	---	---	---	---
295	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
296	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
297	2	F	47.8	47.3	46.6	46.7	48.4	47.7	47.6	48.1	47.3	47.8	47.0	46.8	44.4	45.0	43.7	37.4	26.2	22.7	---	---
298	2	F	43.5	44.0	44.6	44.5	45.1	46.4	46.7	45.9	47.9	46.7	48.4	47.4	49.2	48.5	48.2	48.6	48.6	47.4	47.5	47.8
299	2	F	41.8	42.4	41.1	41.2	41.5	41.8	40.2	42.2	43.5	42.0	42.7	41.6	41.8	41.2	41.1	40.1	39.3	37.9	35.2	34.8
300	2	F	40.5	38.1	41.5	39.4	41.6	40.6	41.4	40.8	41.3	40.9	40.5	40.3	41.0	40.4	39.6	39.4	38.4	37.6	38.7	38.8
301	3	M	49.0	48.9	49.6	48.3	48.7	48.6	46.9	48.8	48.8	48.1	47.2	46.6	45.6	45.3	---	---	---	---	---	---
302	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
303	3	M	41.0	41.2	41.6	40.7	41.3	40.3	39.4	40.2	41.0	40.5	40.8	41.6	41.4	40.9	40.0	39.1	38.9	38.1	37.9	37.9
304	3	M	51.9	51.6	52.0	50.8	51.9	51.6	49.9	51.6	52.7	52.4	52.4	52.8	53.2	52.1	50.2	50.9	50.3	49.4	48.6	47.8
305	3	M	39.7	39.3	39.1	37.9	38.2	38.0	37.3	37.8	37.9	37.4	37.9	37.4	36.0	27.3	---	---	---	---	---	---
306	3	M	48.9	49.0	49.7	49.7	49.9	49.7	48.3	49.9	50.5	50.3	50.3	49.0	49.0	49.4	49.1	49.4	48.6	48.6	47.1	46.3
307	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
308	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
309	3	M	45.7	46.0	46.4	45.9	45.8	45.8	46.6	46.2	46.9	46.6	46.0	46.6	46.8	46.8	46.2	45.6	45.3	44.8	42.4	41.6
310	3	M	40.7	40.4	39.8	39.8	40.3	40.4	40.4	40.8	40.8	40.7	40.7	39.6	39.9	40.1	38.9	39.9	39.2	39.2	38.7	37.8
311	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
312	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
313	3	M	40.8	41.5	41.3	40.8	41.5	41.6	39.2	40.6	41.4	40.9	41.2	40.6	39.3	40.2	39.6	39.3	39.4	39.7	38.7	39.8
314	3	M	40.2	39.9	40.2	38.9	39.1	38.4	36.6	37.7	37.9	36.5	36.1	35.4	34.6	35.4	---	---	---	---	---	---
315	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
316	3	M	35.4	35.3	35.5	35.4	35.5	35.6	33.3	34.8	35.2	34.7	34.5	34.5	34.1	34.3	33.3	33.3	32.9	32.8	31.4	31.7
317	3	M	31.2	30.8	31.2	30.5	30.6	30.6	29.7	30.7	31.5	30.4	30.3	30.6	30.4	31.0	30.8	30.8	30.8	30.9	30.7	30.9
318	3	M	47.1	46.3	46.8	46.5	47.0	46.6	41.6	46.0	46.6	46.1	46.4	46.8	46.2	45.7	45.5	45.0	44.1	42.2	43.4	43.5
319	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
320	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
321	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
322	3	M	45.5	47.0	47.4	46.8	47.1	48.3	47.3	46.0	47.1	48.2	47.6	47.6	47.9	48.9	49.5	49.0	49.3	49.0	48.8	48.0
323	3	M	41.7	45.0	43.4	44.4	43.3	44.2	43.5	44.3	43.5	43.3	42.9	42.2	41.8	41.6	42.7	43.1	43.7	42.2	42.2	41.7
324	3	M	37.5	38.3	37.3	38.2	38.5	37.6	36.4	36.3	36.6	36.1	36.0	35.3	34.7	35.5	35.2	35.1	34.2	33.2	---	---
325	3	M	36.5	37.8	36.0	36.7	37.1	36.6	35.8	36.0	36.2	36.1	36.4	35.4	34.6	35.2	35.8	35.7	35.7	35.1	34.9	34.8
326	3	M	37.3	38.3	37.8	38.5	37.7	36.9	36.4	38.4	38.9	37.6	38.0	38.3	37.7	38.2	38.6	38.1	38.6	38.0	38.8	38.8
327	3	M	37.3	37.0	35.8	36.3	36.6	37.8	37.2	38.6	39.2	38.6	38.5	39.0	39.3	39.1	40.1	39.8	39.5	39.3	38.1	38.7
328	3	M	37.4	38.6	38.5	37.9	38.2	37.9	36.6	37.4	37.5	37.5	36.9	35.8	35.2	36.9	37.4	37.2	36.9	34.3	33.8	35.1
329	3	M	43.7	44.7	44.8	44.2	44.4	44.9	43.4	44.4	44.5	43.1	43.6	43.8	43.3	41.0	39.1	38.1	38.1	36.8	35.7	35.6
330	3	M	39.1	39.3	38.1	35.2	36.0	37.6	39.4	40.8	---	---	---	---	---	---	---	---	---	---	---	---
331	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
332	3	M	42.4	42.3	42.6	42.3	41.5	42.2	41.6	42.4	42.5	42.2	41.4	41.7	41.2	41.9	41.6	41.2	40.0	38.7	38.6	38.6
333	3	M	46.0	45.4	45.4	44.2	43.3	42.5	40.6	41.6	40.0	38.8	35.9	34.9	32.9	30.9	29.3	26.9	25.0	---	---	---
334	3	M	42.7	42.5	42.9	42.2	41.9	41.6	40.2	41.6	42.0	42.3	40.9	42.0	41.5	41.5	41.6	41.6	40.4	38.5	38.7	39.3
335	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
336	3	M	39.1	38.4	38.2	38.0	37.7	37.4	34.3	35.6	36.6	37.2	36.6	36.9	35.5	35.2	34.5	29.0	---	---	---	---
337	3	M	40.5	40.8	40.6	41.0	40.6	39.7	38.7	40.3	40.8	41.2	41.1	41.2	41.2	40.5	40.0	38.2	37.7	37.6	37.6	37.4
338	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
339	3	M	50.0	49.5	48.3	47.5	47.8	46.7	45.5	46.6	46.6	45.8	45.2	45.4	44.2	43.1	42.8	42.6	42.1	41.9	42.1	42.3
340	3	M	47.9	47.4	46.7	47.1	46.9	46.9	46.1	47.0	47.4	48.2	47.4	47.5	47.0	46.4	46.3	45.5	46.2	43.3	42.4	40.3
341	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
342	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
343	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
344	3	M	43.4	42.8	43.3	42.2	41.8	42.2	41.1	41.9	42.2	42.2	41.8	41.4	40.9	40.8	40.1	39.6	39.6	38.7	38.9	39.5
345	3	M	36.3	36.4	36.3	35.6	35.3	34.8	32.7	34.1	34.6	33.8	34.1	34.2	34.3	34.1	33.9	33.4	33.0	32.5	32.4	32.3
346	3	M	41.8	41.7	41.2	40.6	40.7	41.5	39.9	41.7	42.4	42.7	42.2	42.5	42.0	42.7	42.2	41.7	42.5	42.3	41.5	41.6
347	3	M	49.7	49.2	49.5	49.4	49.7	49.5	48.4	50.2	49.8	49.9	48.6	47.3	47.0	48.1	43.6	43.1	40.0	36.4	39.3	41.7
348	3	M	47.8	46.9	46.8	47.3	47.0	45.3	45.2	47.5	48.5	47.7	48.1	47.7	46.8	47.3	43.3	40.5	39.5	38.0	36.6	37.9
349	3	M	43.4	42.7	43.1	42.5	42.4	41.5	40.9	42.2	43.3	42.5	42.8	42.1	41.8	42.1	41.4	40.6	40.6	40.5	40.7	39.9
350	3	M	39.1	38.5	39.2	38.1	38.8	38.3	38.0	39.7	41.2	40.6	40.6	40.1	39.5	40.0	39.7	39.3	39.6	39.0	38.8	38.1
351	3	M	33.4	32.3	32.5	32.0	31.3	32.4	32.3	33.4	32.8	32.6	32.9	32.3	31.8	32.0	32.1	30.9	31.3	31.3	31.0	31.3
352	3	M	43.9	42.5	42.5	41.5	38.9	37.8	40.2	43.5	43.0	42.5	44.9	43.5	41.1	42.1	43.3	43.2	43.6	44.2	44.0	43.6
353	3	M	45.0	44.0	44.7	43.3	42.0	42.3	42.4	44.0	43.6	42.8	44.5	43.6	42.8	39.7	38.7	38.6	38.1	39.1	38.4	39.2
354	3	M	51.1	50.0	50.0	49.7	45.6	44.9	48.1	50.1	50.2	50.4	50.5	50.2	50.2	49.7	48.4	46.6	47.0	46.3	45.2	45.6
355	3	M	40.0	40.0	39.0	38.2	37.4	37.9	37.5	39.0	38.0	38.0	39.8	39.6	38.5	38.8	38.6	37.8	38.8	38.6	38.5	38.2
356	3	M	42.5	41.7	42.6	41.3	42.2	41.5	41.1	41.8	42.3	42.1	42.0	41.4	41.8	42.0	41.4	40.7	39.9	40.3	40.8	40.3
357	3	M	39.4	38.3	39.5	38.7	39.3	38.1	37.8	38.6	38.8	38.3	38.5	38.2	37.6	37.7	36.9	37.3	36.7	37.3	36.5	36.1
358	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
359	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
360	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO.	TRT GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
361	3	M	35.6	35.1	34.8	36.2	36.3	35.3	36.3	37.5	38.6	38.0	36.0	37.9	36.8	37.0	37.1	36.9	36.2	35.4	34.8	35.1
362	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
363	3	M	41.4	41.3	40.7	40.8	40.9	37.9	39.3	41.7	42.6	42.7	42.2	41.4	39.9	36.4	35.5	37.7	39.9	41.6	---	---
364	3	M	40.9	40.3	39.4	40.6	40.6	39.3	38.3	39.3	38.9	37.9	37.9	38.2	37.1	36.6	36.1	36.4	35.8	36.2	35.9	35.5
365	3	M	43.9	42.9	42.8	43.0	42.6	42.3	39.8	40.7	40.3	39.5	38.4	37.6	37.2	36.5	36.5	35.9	35.5	35.4	34.9	35.1
366	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
367	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
368	3	M	39.9	39.8	39.7	39.2	40.0	39.4	38.6	39.5	39.4	38.4	37.2	37.4	37.4	36.0	35.5	35.4	34.5	34.8	34.1	33.7
369	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
370	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
371	3	M	43.3	42.2	40.5	41.0	43.0	40.9	41.2	42.2	40.9	---	---	---	---	---	---	---	---	---	---	---
372	3	M	41.5	39.4	40.0	40.0	39.6	39.7	38.1	39.4	39.6	39.7	39.3	38.8	39.4	38.5	38.6	37.8	36.9	38.2	36.8	35.8
373	3	M	40.3	39.8	39.4	40.2	41.1	41.0	40.1	41.7	41.9	41.7	41.4	42.3	41.2	41.9	41.7	41.8	41.2	42.0	40.1	40.3
374	3	M	40.3	39.3	36.3	35.6	36.9	37.3	37.0	37.5	36.6	37.0	38.9	39.5	40.0	39.4	40.2	41.3	40.9	41.5	40.8	41.0
375	3	M	32.1	32.0	32.2	31.4	32.3	32.1	32.2	32.3	32.6	32.3	32.4	33.0	32.8	33.0	33.4	33.1	32.2	31.7	30.4	32.7
376	3	F	36.1	35.0	36.0	34.9	35.2	34.7	35.3	36.1	36.4	34.0	35.6	34.9	33.9	33.9	33.1	32.6	32.7	32.5	31.3	31.7
377	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
378	3	F	54.2	52.9	56.4	53.6	54.5	49.1	50.6	51.9	48.8	51.7	51.5	52.0	51.1	51.6	52.8	51.9	51.6	50.3	51.2	51.5
379	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
380	3	F	42.2	42.7	40.7	40.8	42.0	40.8	40.8	41.0	40.7	40.7	40.4	41.2	40.9	41.2	41.3	41.7	41.4	40.7	39.7	39.4
381	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
382	3	F	35.6	36.2	36.7	35.8	37.3	34.5	35.0	36.6	38.8	35.4	36.5	37.4	34.9	36.4	36.9	36.0	33.8	34.7	33.5	33.4
383	3	F	42.9	42.7	41.2	42.4	43.1	43.6	42.1	44.2	43.9	43.9	44.0	44.0	41.2	35.9	32.1	25.1	---	---	---	---
384	3	F	37.0	37.1	37.7	36.5	38.6	39.2	35.6	37.8	38.6	37.3	39.2	37.3	38.5	38.8	38.1	37.6	37.2	37.2	35.8	36.0
385	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
386	3	F	46.4	50.6	46.7	48.2	47.6	47.8	47.5	49.5	48.7	49.5	47.8	49.3	48.1	47.5	48.4	46.2	47.6	46.7	45.7	46.1
387	3	F	53.3	53.9	55.0	54.3	52.1	54.6	52.0	52.6	54.2	53.2	51.4	52.8	52.9	52.3	51.9	51.3	52.2	51.8	50.6	50.7
388	3	F	39.9	41.4	42.4	41.5	41.8	40.0	41.1	42.7	41.5	41.2	41.6	41.3	40.4	39.8	40.8	39.4	39.9	38.5	38.7	37.8
389	3	F	47.8	47.6	48.4	49.0	46.2	48.4	49.6	48.3	49.6	48.8	49.3	48.9	49.8	49.7	49.5	48.8	48.9	47.7	47.5	47.7
390	3	F	37.9	36.0	35.4	36.6	37.2	37.1	37.1	36.4	39.0	35.8	36.6	36.2	36.9	38.2	37.0	36.5	37.7	36.6	35.4	36.4
391	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
392	3	F	39.9	39.1	38.1	36.4	38.2	38.2	36.1	35.3	37.0	35.2	36.3	37.8	37.7	37.7	37.9	36.2	36.7	36.9	36.8	35.5
393	3	F	43.7	44.4	41.7	42.4	42.9	39.4	39.4	40.4	42.7	40.7	41.4	40.2	39.7	41.4	39.0	40.0	40.8	40.7	40.1	40.2
394	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
395	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
396	3	F	46.6	47.3	47.3	47.2	47.6	47.6	47.6	46.0	48.6	46.5	46.8	45.8	45.2	44.9	44.7	44.9	42.0	45.6	44.9	44.2
397	3	F	42.0	40.2	41.8	41.3	40.6	42.6	38.8	42.8	43.7	41.9	43.5	44.2	44.8	42.4	43.0	42.8	45.8	45.0	45.2	44.3
398	3	F	41.4	43.0	43.2	42.9	41.2	42.9	42.9	41.6	44.0	41.2	43.5	44.0	42.2	44.5	42.2	41.8	42.0	41.5	42.2	41.8
399	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
400	3	F	44.4	47.1	46.0	46.6	46.3	45.3	46.2	47.5	47.2	46.4	46.6	47.4	47.4	47.8	48.3	47.2	47.5	46.4	46.3	45.8

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
401	3	F	44.9	46.7	45.0	43.1	46.1	46.0	42.3	47.4	45.7	46.2	44.7	48.0	42.8	42.3	42.3	---	---	---	---	---
402	3	F	46.1	43.8	44.4	43.0	43.1	41.0	40.4	38.7	39.5	32.7	---	---	---	---	---	---	---	---	---	---
403	3	F	38.4	38.0	37.6	35.1	36.6	37.1	35.2	35.7	36.1	37.2	38.2	36.6	33.4	36.3	36.3	34.6	34.7	34.6	34.7	35.9
404	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
405	3	F	44.9	44.8	41.9	44.2	43.9	43.8	38.6	42.9	42.6	42.6	41.4	41.9	44.2	41.1	42.0	42.7	40.0	41.4	39.8	41.1
406	3	F	38.8	40.0	37.5	38.8	37.2	38.9	36.9	37.6	37.3	37.0	37.0	36.7	35.8	38.3	36.6	35.7	35.7	34.6	33.7	34.6
407	3	F	44.6	45.0	46.1	44.4	46.3	45.9	46.0	46.9	48.6	47.8	49.2	46.7	45.9	46.9	47.8	46.2	45.4	44.6	43.1	44.1
408	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
409	3	F	38.7	35.5	38.3	38.1	36.7	38.8	39.0	39.3	38.7	36.9	37.8	36.6	37.1	36.3	---	---	---	---	---	---
410	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
411	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
412	3	F	40.7	41.9	41.3	42.2	41.7	39.8	40.8	42.0	42.6	43.4	41.4	40.4	38.9	39.2	38.7	36.5	35.8	36.1	35.6	36.8
413	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
414	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
415	3	F	40.5	40.7	41.1	39.1	40.4	37.8	38.6	39.0	40.5	38.1	39.1	38.1	37.5	38.6	37.9	37.0	36.7	35.7	35.2	35.8
416	3	F	41.2	41.9	39.6	41.5	40.3	39.4	38.3	40.7	41.3	41.4	40.1	39.4	39.8	40.2	40.6	39.7	39.3	38.5	38.5	38.4
417	3	F	44.4	42.9	43.6	45.2	45.2	42.6	42.2	43.8	44.0	45.0	43.5	44.1	45.8	43.7	44.5	42.5	43.6	43.2	44.0	44.4
418	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
419	3	F	41.8	37.8	40.2	39.6	40.6	40.9	40.4	39.9	40.8	41.4	40.0	39.8	40.2	39.3	40.4	38.9	38.1	37.9	38.0	37.9
420	3	F	41.4	40.0	39.7	39.4	41.5	35.8	37.3	39.4	38.4	38.4	38.8	37.8	37.6	36.8	36.4	36.6	35.0	34.9	33.4	33.6
421	3	F	49.3	50.8	49.4	49.8	50.3	49.7	48.8	50.8	50.8	50.1	44.3	---	---	---	---	---	---	---	---	---
422	3	F	39.3	38.1	38.5	39.0	37.5	37.4	37.6	37.7	38.1	38.9	37.4	38.4	38.7	39.7	39.6	38.8	38.6	38.6	37.3	38.2
423	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
424	3	F	41.9	40.7	43.2	42.4	41.8	40.5	42.6	43.0	44.2	41.8	41.4	42.6	40.6	41.9	40.8	40.8	41.1	41.1	40.5	40.7
425	3	F	43.9	44.3	42.9	45.0	43.0	42.2	43.2	43.5	43.1	43.5	42.6	42.4	44.2	41.9	41.5	41.3	40.2	40.6	40.3	39.8
426	3	F	37.4	36.0	37.0	34.9	35.6	35.9	36.2	37.4	38.7	37.1	37.4	37.0	37.3	38.1	38.0	38.6	37.5	37.0	36.4	37.6
427	3	F	40.1	41.0	39.6	40.2	42.6	41.4	40.3	43.0	43.7	41.8	42.0	43.3	43.6	41.9	41.6	42.0	41.9	38.8	38.0	38.9
428	3	F	46.1	47.9	47.3	45.7	47.2	45.0	44.9	47.3	46.7	46.7	45.8	48.5	46.8	47.2	47.4	47.0	45.9	44.6	43.3	42.9
429	3	F	43.5	41.1	40.8	41.0	40.4	42.5	38.9	41.7	42.4	40.4	40.5	37.0	34.3	---	---	---	---	---	---	---
430	3	F	36.8	36.0	35.2	35.3	36.2	36.0	35.1	36.0	36.7	36.1	35.7	35.4	35.6	35.5	34.8	34.4	33.7	32.8	31.8	32.3
431	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
432	3	F	35.8	35.3	35.9	34.9	33.9	34.4	34.7	35.8	37.2	35.6	37.0	36.8	35.1	38.7	36.8	38.0	38.1	36.7	36.6	38.1
433	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
434	3	F	41.2	40.7	43.6	41.2	41.1	41.2	40.8	41.8	40.6	41.6	41.6	40.6	40.5	41.2	40.9	41.2	40.5	40.1	40.9	41.0
435	3	F	42.6	40.1	44.8	44.0	40.1	43.6	42.0	39.9	43.9	41.1	40.4	43.1	41.4	42.7	40.2	39.9	38.3	40.3	38.6	38.7
436	3	F	46.9	48.2	47.6	48.2	45.7	46.8	44.8	46.0	46.5	47.1	47.8	47.2	48.6	48.9	48.4	48.6	47.3	47.5	46.4	46.0
437	3	F	42.8	45.8	42.6	44.6	42.3	43.3	41.0	42.2	42.3	43.7	43.9	43.7	42.1	42.3	42.5	42.2	40.9	39.8	38.8	40.4
438	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
439	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
440	3	F	32.7	33.2	34.8	33.1	33.3	32.9	32.2	34.0	32.5	34.0	33.7	32.5	34.8	35.9	34.5	35.0	33.1	34.2	34.4	34.8

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TRT GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
441	3	F	41.1	40.3	40.4	40.9	40.3	39.8	38.9	38.7	41.3	39.6	39.1	39.1	39.1	39.1	39.9	39.0	39.3	38.9	38.5	39.0
442	3	F	41.5	40.2	41.1	41.5	41.5	40.8	39.5	40.5	41.0	40.4	40.3	40.7	40.7	40.9	41.3	41.5	41.4	40.0	40.6	40.6
443	3	F	43.7	42.4	44.3	41.6	43.7	44.1	41.4	43.8	42.7	43.3	44.6	42.1	42.0	43.0	42.8	42.7	42.6	42.0	41.9	42.2
444	3	F	49.9	49.5	52.7	50.7	51.6	51.8	48.8	51.5	52.2	52.1	50.4	52.2	48.1	50.9	51.4	50.2	50.8	49.3	49.9	49.9
445	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
446	3	F	34.8	33.2	34.4	34.5	36.1	34.8	34.7	36.4	35.2	33.9	35.0	36.4	35.4	34.9	35.5	35.2	36.1	34.6	36.1	37.0
447	3	F	40.6	41.6	42.0	42.1	42.7	41.2	42.2	42.7	43.2	43.4	44.2	43.3	43.7	43.3	43.6	42.9	43.0	42.0	42.9	43.0
448	3	F	45.4	44.9	46.0	43.5	45.8	43.2	41.5	43.3	43.0	41.6	42.1	43.7	44.9	43.9	45.0	45.3	44.9	43.6	45.0	45.0
449	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
450	3	F	43.2	46.4	46.1	42.7	44.9	44.8	43.5	43.7	45.3	44.1	44.7	43.6	44.2	42.4	43.0	43.0	42.5	41.7	40.4	39.4
451	4	M	40.8	41.5	40.2	40.7	40.3	39.4	38.8	40.8	40.7	39.7	39.6	40.6	36.6	39.4	39.4	39.7	39.7	38.8	37.9	38.4
452	4	M	36.1	35.9	35.6	35.9	35.4	35.4	35.0	35.8	36.1	36.2	35.5	36.4	33.7	35.8	36.2	35.9	36.4	35.7	35.2	36.3
453	4	M	32.9	33.1	32.5	31.6	31.2	31.7	31.6	32.2	31.9	32.2	31.5	32.2	29.9	32.4	32.3	31.7	32.5	31.6	30.4	31.0
454	4	M	41.7	41.4	40.3	40.5	40.4	40.4	39.8	40.8	40.8	40.3	40.1	40.3	37.9	40.8	41.2	41.2	41.3	40.6	39.6	40.1
455	4	M	34.3	34.4	33.9	33.2	33.2	33.1	32.9	33.6	33.7	33.3	33.4	33.1	30.7	32.7	32.4	31.4	29.5	28.0	---	---
456	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
457	4	M	43.9	44.6	45.1	44.9	44.2	43.1	43.3	44.0	43.5	44.1	42.6	42.1	40.1	42.5	42.0	31.6	---	---	---	---
458	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
459	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
460	4	M	35.3	36.2	36.1	36.1	36.2	35.2	34.0	34.7	34.5	34.8	34.9	34.6	32.9	34.3	33.7	33.8	32.8	32.8	32.9	32.8
461	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
462	4	M	46.0	45.6	45.5	45.9	45.9	44.4	43.1	45.7	45.7	45.1	44.7	46.1	44.9	44.8	43.7	43.0	42.8	41.2	40.3	40.8
463	4	M	33.7	33.8	33.2	33.6	34.2	32.7	32.5	34.0	33.8	33.8	35.8	38.0	39.7	41.9	43.7	47.2	---	---	---	---
464	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
465	4	M	47.2	47.7	47.2	47.1	48.3	46.7	45.4	46.4	47.7	47.0	47.2	48.4	48.5	48.4	48.6	47.7	47.2	44.7	43.5	43.8
466	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
467	4	M	38.8	34.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
468	4	M	38.4	39.0	39.5	38.8	38.7	37.6	36.7	37.5	37.7	31.4	37.3	37.4	37.8	37.3	36.9	36.0	36.7	37.0	35.9	36.2
469	4	M	35.6	36.0	35.7	35.7	35.7	35.6	34.5	36.2	36.6	36.4	36.5	36.6	36.0	35.8	35.3	34.8	34.7	34.5	33.3	34.0
470	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
471	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
472	4	M	41.8	37.3	41.8	41.3	41.3	41.2	37.2	41.6	41.6	41.6	41.2	42.3	40.9	40.9	40.8	40.6	40.6	40.4	38.9	39.4
473	4	M	39.8	35.9	39.7	39.2	39.3	40.0	37.0	39.9	40.1	39.6	38.4	38.0	38.2	37.6	37.3	36.9	37.2	37.7	36.6	36.5
474	4	M	42.5	38.5	42.0	42.5	40.2	42.1	40.1	42.2	42.1	42.6	41.8	41.8	40.7	40.3	39.9	39.3	39.6	39.5	38.5	38.8
475	4	M	36.2	32.0	35.9	35.9	35.9	36.0	34.4	36.7	36.4	36.3	36.6	36.6	36.7	36.3	36.3	35.9	35.9	36.0	34.9	34.6
476	4	M	33.5	35.7	35.4	35.4	32.7	33.7	37.5	36.0	35.4	35.2	35.2	35.6	34.8	35.9	34.8	34.4	36.1	37.8	39.8	39.1
477	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
478	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
479	4	M	31.0	32.0	32.6	32.3	30.1	32.5	32.4	32.9	33.0	32.8	32.3	33.0	32.8	32.4	32.5	32.2	32.7	32.6	32.5	32.6
480	4	M	39.8	41.4	41.0	39.3	37.7	40.1	40.3	41.3	42.0	41.4	41.0	41.1	41.2	41.1	40.7	40.0	40.2	39.5	39.4	39.3

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
481	4	M	40.3	38.8	38.8	37.9	36.6	37.7	36.4	38.2	37.6	39.1	39.6	39.4	40.4	40.1	40.1	39.3	39.6	38.8	39.2	39.5
482	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
483	4	M	30.9	30.9	31.0	30.1	31.0	31.6	29.6	30.6	31.0	30.8	30.7	31.2	31.1	31.3	30.9	30.8	31.1	31.2	29.9	30.7
484	4	M	37.6	36.9	36.5	36.7	36.2	36.8	35.4	36.7	36.3	36.3	36.9	37.2	36.7	36.6	37.1	36.9	36.5	37.0	35.8	36.5
485	4	M	36.4	36.0	36.8	35.3	35.9	35.2	35.4	36.1	36.0	35.8	36.8	36.2	36.6	36.5	35.7	35.6	36.2	35.8	34.3	34.7
486	4	M	35.2	35.2	33.6	33.1	33.9	33.8	32.4	33.5	33.9	34.4	33.1	34.0	34.0	33.7	33.4	33.5	34.2	33.8	33.9	33.3
487	4	M	47.4	48.2	47.9	47.2	46.8	45.8	45.7	46.1	47.8	47.1	47.1	47.2	46.2	47.1	46.2	45.6	45.4	44.8	43.2	42.6
488	4	M	37.7	37.8	36.8	35.0	35.5	35.4	34.9	35.3	34.2	35.7	34.4	34.2	34.6	35.3	35.6	35.3	35.3	35.2	35.7	34.9
489	4	M	36.0	36.0	35.5	34.0	32.9	33.4	34.0	35.2	35.8	35.8	35.5	35.2	34.7	33.1	32.8	32.1	31.3	30.5	27.7	28.0
490	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
491	4	M	37.5	37.2	36.4	37.1	36.1	35.8	35.1	36.4	36.1	36.1	36.3	34.8	35.7	36.4	35.7	35.8	35.9	31.0	---	---
492	4	M	33.6	33.3	34.0	33.4	32.1	32.7	33.8	33.8	34.5	34.6	33.6	33.3	33.0	32.5	32.2	31.5	31.6	31.2	28.8	29.1
493	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
494	4	M	36.4	35.8	36.1	36.6	35.2	35.1	35.7	35.2	35.9	36.2	35.7	36.3	36.4	36.5	36.5	35.3	36.5	35.9	35.9	35.3
495	4	M	36.1	36.0	35.6	35.8	36.3	36.0	35.4	34.8	35.9	36.1	35.7	35.8	35.8	36.1	36.0	35.7	36.2	35.9	35.7	35.2
496	4	M	32.8	32.7	32.9	33.0	32.7	31.3	30.4	32.6	32.8	32.6	32.7	32.0	31.9	31.8	31.0	31.0	30.6	30.4	29.3	30.1
497	4	M	34.6	33.7	34.2	33.6	33.7	32.4	31.1	33.5	33.9	34.2	33.8	34.2	36.0	42.9	---	---	---	---	---	---
498	4	M	31.3	30.7	27.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
499	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
500	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
501	4	M	41.7	42.7	42.5	40.9	41.9	41.9	39.1	41.7	40.9	40.3	39.7	40.4	39.8	39.4	39.0	38.7	38.0	37.9	38.2	37.6
502	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
503	4	M	40.5	40.3	42.6	41.1	41.8	41.3	40.0	40.9	40.8	40.0	39.4	40.4	39.3	40.1	38.8	39.2	38.5	38.7	39.4	38.7
504	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
505	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
506	4	M	46.0	44.4	44.4	42.9	43.1	43.1	41.5	43.2	42.9	43.0	41.9	41.3	40.4	40.3	39.8	38.1	38.2	38.2	37.2	37.6
507	4	M	41.2	41.0	39.4	38.5	40.6	39.9	39.5	41.0	40.8	40.4	41.0	40.4	39.2	39.8	38.8	38.5	36.9	36.4	37.7	38.0
508	4	M	40.7	40.0	39.6	39.5	39.9	39.2	38.1	39.3	39.9	40.0	40.1	40.2	39.6	39.2	38.0	37.2	36.3	36.2	35.9	35.7
509	4	M	40.7	40.6	40.6	39.4	39.9	39.2	37.8	38.2	37.7	37.8	38.4	38.8	41.0	43.6	47.8	---	---	---	---	---
510	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
511	4	M	37.1	36.3	36.8	35.7	35.5	33.9	34.4	36.8	35.8	36.3	35.5	35.4	36.0	35.6	35.3	35.0	35.3	35.2	34.9	35.5
512	4	M	39.1	39.4	39.8	39.2	38.4	36.9	36.5	38.2	37.8	38.0	37.8	36.7	37.7	37.6	37.9	37.8	38.3	37.8	37.4	37.3
513	4	M	40.9	39.9	41.1	40.6	40.6	38.6	38.4	40.2	38.9	40.0	40.3	38.0	40.4	40.0	40.8	40.6	40.6	40.2	38.3	39.2
514	4	M	36.8	37.2	38.4	37.6	37.6	35.9	36.5	38.3	37.5	37.9	38.1	36.1	38.3	38.0	38.2	38.7	35.5	37.3	36.0	37.7
515	4	M	32.3	31.7	32.8	32.2	32.0	31.3	31.6	33.0	32.9	32.8	32.7	32.6	32.4	32.2	31.4	31.7	32.3	32.3	30.5	32.4
516	4	M	38.2	38.5	38.7	37.4	37.4	36.4	34.4	36.4	35.7	36.8	36.1	36.9	36.4	35.9	35.5	35.7	35.0	33.7	32.0	32.9
517	4	M	45.2	45.1	46.0	45.0	45.1	44.4	44.1	45.0	45.6	44.7	44.6	44.9	44.9	45.1	44.1	43.5	39.7	39.3	38.7	38.7
518	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
519	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
520	4	M	44.1	43.1	42.3	40.0	39.3	38.2	37.5	37.9	37.4	37.0	36.1	36.4	35.8	35.5	33.8	33.4	33.5	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
521	4	M	31.0	29.5	30.3	29.5	29.8	30.1	29.7	30.2	30.6	30.9	30.1	30.6	30.3	30.7	30.8	30.7	30.9	30.5	29.7	30.4
522	4	M	34.8	35.2	34.5	33.5	35.3	35.6	34.1	35.7	34.8	35.6	35.2	36.2	36.2	35.1	35.7	35.3	35.5	35.7	34.6	35.6
523	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
524	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
525	4	M	38.8	37.6	36.1	34.8	36.6	36.6	35.7	37.4	37.2	36.9	36.9	37.4	37.7	35.4	36.8	36.5	35.0	37.0	36.5	37.0
526	4	F	40.1	39.5	39.2	40.2	39.8	39.6	40.1	41.1	41.2	42.5	42.5	42.7	42.8	43.5	43.5	43.0	42.3	41.5	42.2	42.2
527	4	F	20.4	20.7	21.4	21.4	20.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
528	4	F	29.7	30.8	30.8	31.7	30.7	30.2	30.5	30.6	31.7	31.5	32.5	31.2	31.6	31.5	31.3	31.2	28.2	27.7	26.9	27.2
529	4	F	43.4	45.0	44.2	43.5	44.5	45.0	45.1	45.3	45.6	45.8	46.2	46.6	46.2	45.5	46.0	46.4	45.1	44.1	43.7	44.4
530	4	F	39.8	39.6	40.2	40.0	40.8	40.3	40.2	40.6	39.9	40.1	39.6	38.9	37.6	36.9	36.1	35.9	35.4	36.8	35.6	35.9
531	4	F	40.0	40.8	42.6	39.0	41.1	39.9	40.4	41.5	42.7	43.5	43.4	43.2	43.9	44.3	44.4	44.9	43.6	42.1	32.8	28.1
532	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
533	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
534	4	F	36.9	35.7	36.7	36.2	36.0	36.3	36.9	37.4	38.3	38.9	39.8	40.0	39.2	39.4	38.5	38.3	37.4	38.6	37.7	37.9
535	4	F	39.8	37.4	37.6	36.3	37.8	35.1	36.4	36.4	38.6	39.2	38.5	38.9	39.4	38.9	38.8	38.6	38.2	37.2	38.1	37.6
536	4	F	35.1	33.9	36.2	35.4	35.4	34.1	34.1	36.5	36.9	35.1	35.8	36.4	37.4	36.5	36.6	35.8	35.6	35.2	35.9	35.8
537	4	F	33.6	35.0	36.8	34.2	35.8	34.4	33.2	34.2	35.0	35.2	35.2	36.6	35.5	34.9	36.6	34.6	35.8	35.0	35.0	35.3
538	4	F	36.2	34.4	35.8	34.7	35.5	35.7	33.1	35.7	34.6	35.7	35.6	34.5	35.3	35.2	36.5	34.6	35.5	35.7	34.9	35.1
539	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
540	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
541	4	F	43.2	43.9	44.1	45.7	44.1	46.2	44.1	45.1	45.0	44.5	35.1	36.6	37.3	37.4	38.4	38.1	34.6	27.4	---	---
542	4	F	37.1	38.9	37.3	36.8	39.9	39.0	37.9	39.1	39.5	39.4	39.9	39.7	39.3	39.4	39.8	39.7	39.3	39.6	38.6	38.7
543	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
544	4	F	37.8	35.4	34.5	37.0	35.9	36.3	35.5	37.1	36.4	38.3	38.6	37.4	38.1	36.6	37.1	36.4	36.2	37.2	34.8	34.6
545	4	F	42.5	47.3	43.2	42.8	43.7	43.5	42.3	44.9	44.8	44.8	44.0	42.5	42.8	42.1	40.5	38.3	34.4	30.2	26.6	27.2
546	4	F	35.3	36.0	36.4	34.3	35.6	32.9	33.9	33.7	33.5	34.0	35.7	35.1	35.2	35.8	33.8	35.5	32.2	32.7	31.3	31.7
547	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
548	4	F	32.0	31.9	30.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
549	4	F	34.1	34.3	34.6	34.1	33.8	32.7	32.1	32.5	33.8	31.8	33.0	33.4	32.8	32.4	32.7	33.1	33.1	34.4	33.7	---
550	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
551	4	F	35.3	36.2	36.2	36.7	37.7	38.4	35.9	36.8	37.9	37.1	36.5	35.8	36.1	35.4	36.2	36.9	36.6	36.9	36.5	36.2
552	4	F	31.8	32.2	32.7	32.4	33.1	31.7	31.4	32.7	33.0	31.2	30.1	29.8	30.8	29.3	30.6	31.1	31.9	32.6	31.8	31.2
553	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
554	4	F	39.2	37.9	38.6	37.5	39.7	37.9	37.4	39.6	39.6	39.6	38.4	38.2	37.6	37.0	---	38.7	37.7	38.2	38.9	39.8
555	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
556	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
557	4	F	37.4	38.4	38.1	37.1	38.0	37.0	34.9	34.4	34.4	34.7	33.9	32.4	31.9	31.9	31.4	31.2	30.9	31.7	31.0	31.6
558	4	F	36.8	35.3	34.1	36.0	35.2	36.4	34.5	35.9	35.0	36.1	36.6	35.6	34.8	35.5	36.0	36.0	35.8	35.3	33.3	33.1
559	4	F	41.1	43.7	42.9	43.1	45.2	43.0	43.5	43.5	44.5	43.7	45.3	44.8	44.9	44.3	44.4	44.4	45.2	44.8	44.7	43.8
560	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
561	4	F	44.5	46.2	44.5	45.0	45.2	44.8	45.4	46.1	45.8	44.6	44.3	45.0	44.6	44.1	44.8	43.1	42.8	43.5	43.1	43.7
562	4	F	30.4	29.7	30.7	30.5	30.4	31.5	30.0	30.2	29.6	29.9	29.9	30.5	30.3	30.3	29.3	30.0	29.4	27.9	26.9	27.4
563	4	F	35.4	35.9	36.0	35.2	36.9	33.7	33.5	36.9	36.3	36.3	35.8	35.4	34.7	35.3	35.7	35.7	35.2	35.6	37.8	38.6
564	4	F	35.5	35.1	36.8	34.8	37.2	35.2	34.4	33.7	34.8	34.4	33.4	33.5	32.8	33.5	34.0	32.7	33.2	34.3	---	---
565	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
566	4	F	35.5	36.7	36.3	36.2	40.6	35.3	34.8	35.6	36.9	34.3	33.7	34.4	34.6	33.5	33.2	33.1	33.4	33.7	31.8	30.7
567	4	F	41.6	41.0	42.2	41.4	40.6	40.6	40.0	40.6	42.0	42.2	41.9	41.7	41.4	41.3	41.6	41.1	39.8	41.0	40.5	40.7
568	4	F	38.3	38.8	38.8	37.1	32.3	31.3	30.9	30.8	31.3	30.5	30.7	31.6	31.1	32.8	33.2	33.7	33.8	34.8	35.0	36.3
569	4	F	32.0	32.4	33.4	32.2	33.2	33.4	32.7	33.8	32.9	32.7	32.2	32.0	31.3	31.2	30.7	31.4	32.5	32.4	31.5	32.0
570	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
571	4	F	32.1	32.6	33.9	31.2	32.3	31.6	31.8	31.8	32.8	32.3	31.6	31.1	31.7	31.8	32.2	30.4	30.4	31.8	29.5	30.9
572	4	F	33.6	34.8	33.4	35.0	35.5	35.4	34.6	36.2	36.8	37.7	37.5	36.7	37.1	37.9	37.1	37.2	34.5	36.2	34.4	35.7
573	4	F	32.7	32.9	30.2	30.1	30.5	31.7	29.7	32.0	32.1	32.4	29.7	31.4	31.1	31.6	31.4	31.1	29.8	30.8	29.4	30.7
574	4	F	37.3	37.4	36.7	36.5	36.6	37.8	35.7	38.2	38.8	39.2	38.1	40.1	38.6	38.6	38.0	38.8	36.2	37.9	36.4	38.6
575	4	F	39.5	39.6	39.7	39.7	40.7	40.9	39.9	40.4	40.4	41.2	40.7	39.8	40.1	39.2	38.6	37.7	35.6	37.2	35.6	37.0
576	4	F	45.2	45.9	45.4	47.8	46.8	46.5	44.0	47.2	47.4	48.3	48.2	49.0	48.2	48.8	48.0	47.2	47.2	46.3	45.2	43.3
577	4	F	30.9	30.9	29.8	29.6	28.7	30.5	28.8	29.3	29.9	29.3	29.9	29.2	28.3	28.5	28.2	28.1	27.9	28.2	27.8	27.9
578	4	F	29.4	30.6	30.5	28.8	29.0	29.5	28.3	28.5	29.3	29.7	30.2	29.8	29.4	29.2	29.3	29.1	29.3	29.4	29.2	29.4
579	4	F	25.4	25.9	24.5	25.1	25.5	25.6	25.0	26.1	26.1	26.2	26.1	25.3	24.8	25.5	26.6	26.0	26.2	26.8	26.3	26.7
580	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
581	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
582	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
583	4	F	34.2	36.1	36.8	34.9	36.8	35.9	35.2	34.5	36.9	36.4	36.9	35.5	34.8	33.9	34.0	33.1	32.7	32.3	32.8	32.9
584	4	F	33.7	33.2	33.6	33.3	33.5	32.5	31.9	32.8	34.4	33.3	33.1	32.4	33.4	32.8	32.1	31.8	31.8	31.8	31.0	31.5
585	4	F	37.4	39.2	37.3	38.0	35.9	35.0	34.5	36.2	36.5	35.2	34.1	32.6	33.4	33.1	33.9	33.7	35.2	36.5	37.6	38.2
586	4	F	31.5	30.1	32.2	30.9	29.6	31.0	30.2	30.8	30.3	30.5	31.5	31.3	30.1	30.8	30.7	30.7	30.4	31.8	30.5	31.3
587	4	F	30.8	30.9	32.2	31.9	33.3	33.5	33.5	34.7	35.1	36.4	36.4	36.0	36.6	35.2	36.8	36.2	34.9	35.2	34.8	35.6
588	4	F	45.4	43.8	43.7	44.9	44.1	44.3	44.2	43.2	45.4	43.8	45.3	45.3	45.3	43.8	43.7	44.9	44.7	44.4	43.7	44.6
589	4	F	35.8	35.7	36.9	36.6	36.0	35.7	35.5	37.0	36.6	36.5	36.2	36.1	35.2	34.3	34.0	34.5	34.1	34.8	33.7	35.2
590	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
591	4	F	35.7	38.9	39.0	37.0	37.3	37.9	36.6	38.3	40.1	40.1	40.0	39.1	40.0	41.2	41.8	41.9	42.0	41.9	40.5	41.0
592	4	F	35.3	36.1	37.6	37.0	37.9	38.4	35.4	37.7	36.8	34.9	36.8	35.3	35.6	35.9	35.3	35.5	31.7	32.1	31.9	31.9
593	4	F	33.7	37.3	34.8	37.2	34.3	35.6	35.4	34.4	35.8	34.8	35.1	36.0	33.8	34.6	34.9	33.9	33.4	32.8	33.5	34.0
594	4	F	39.1	37.4	37.4	38.0	35.9	38.4	37.5	39.4	38.5	38.7	37.9	36.1	36.8	35.7	36.6	35.3	35.1	35.0	33.0	33.8
595	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
596	4	F	29.5	30.0	30.6	30.5	31.0	29.3	29.7	30.1	30.4	30.5	30.6	30.0	29.4	29.7	31.1	30.2	29.3	30.0	29.3	29.6
597	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
598	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
599	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
600	4	F	35.2	35.4	36.0	35.2	35.0	34.0	30.8	32.4	32.6	32.6	32.7	32.5	31.3	31.7	32.0	31.6	30.5	30.6	30.6	30.6

--- = NO AVAILABLE DATA

Table VII.3

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
1	1	M	4.9	6.4	6.6	6.6	7.0	6.1	5.6	7.0	6.8	6.5	6.0	5.9	5.8	5.8	5.7	5.6	5.8	6.0	5.3	5.8	5.1
2	1	M	4.9	6.4	6.6	6.6	7.0	6.1	5.6	7.0	6.8	6.5	6.0	5.9	5.8	5.8	5.7	5.6	5.8	6.0	5.3	5.8	5.1
3	1	M	4.9	6.4	6.6	6.6	7.0	6.1	5.6	7.0	6.8	6.5	6.0	5.9	5.8	5.8	5.7	5.6	5.8	6.0	5.3	5.8	5.1
4	1	M	4.9	6.4	6.6	6.6	7.0	6.1	5.6	7.0	6.8	6.5	6.0	5.9	5.8	5.8	5.7	5.6	5.8	6.0	5.3	5.8	5.1
5	1	M	4.9	6.4	6.6	6.6	7.0	6.1	5.6	7.0	6.8	6.5	6.0	5.9	5.8	5.8	5.7	5.6	5.8	6.0	5.3	5.8	5.1
6	1	M	5.2	5.8	4.9	6.7	5.7	6.4	5.5	6.9	6.2	6.5	6.0	6.7	5.5	5.5	5.6	5.1	5.0	5.9	5.4	5.8	4.7
7	1	M	5.2	5.8	4.9	6.7	5.7	6.4	5.5	6.9	6.2	6.5	6.0	6.7	5.5	5.5	5.6	5.1	5.0	5.9	5.4	5.8	4.7
8	1	M	5.2	5.8	4.9	6.7	5.7	6.4	5.5	6.9	6.2	6.5	6.0	6.7	5.5	5.5	5.6	5.1	5.0	5.9	5.4	5.8	4.7
9	1	M	5.2	5.8	4.9	6.7	5.7	6.4	5.5	6.9	6.2	6.5	6.0	6.7	5.5	5.5	5.6	5.1	5.0	5.9	5.4	5.8	4.7
10	1	M	5.2	5.8	4.9	6.7	5.7	6.4	5.5	6.9	6.2	6.5	6.0	6.7	5.5	5.5	5.6	5.1	5.0	5.9	5.4	5.8	4.7
11	1	M	5.7	6.1	4.9	5.5	5.7	5.5	5.0	6.4	6.5	6.7	5.9	6.8	5.5	5.0	5.2	5.4	5.2	5.7	5.3	5.3	5.2
12	1	M	5.7	6.1	4.9	5.5	5.7	5.5	5.0	6.4	6.5	6.7	5.9	6.8	5.5	5.0	5.2	5.4	5.2	5.7	5.3	5.3	5.2
13	1	M	5.7	6.1	4.9	5.5	5.7	5.5	5.0	6.4	6.5	6.7	5.9	6.8	5.5	5.0	5.2	5.4	5.2	5.7	5.3	5.3	5.2
14	1	M	5.7	6.1	4.9	5.5	5.7	5.5	5.0	6.4	6.5	6.7	5.9	6.8	5.5	5.0	5.2	5.4	5.2	5.7	5.3	5.3	5.2
15	1	M	5.7	6.1	4.9	5.5	5.7	5.5	5.0	6.4	6.5	6.7	5.9	6.8	5.5	5.0	5.2	5.4	5.2	5.7	5.3	5.3	5.2
16	1	M	4.8	6.6	5.7	6.4	6.6	6.4	5.3	6.7	6.2	6.7	6.5	5.8	6.0	5.6	5.8	5.8	6.0	6.0	5.3	5.9	5.1
17	1	M	4.8	6.6	5.7	6.4	6.6	6.4	5.3	6.7	6.2	6.7	6.5	5.8	6.0	5.6	5.8	5.8	6.0	6.0	5.3	5.9	5.1
18	1	M	4.8	6.6	5.7	6.4	6.6	6.4	5.3	6.7	6.2	6.7	6.5	5.8	6.0	5.6	5.8	5.8	6.0	6.0	5.3	5.9	5.1
19	1	M	4.8	6.6	5.7	6.4	6.6	6.4	5.3	6.7	6.2	6.7	6.5	5.8	6.0	5.6	5.8	5.8	6.0	6.0	5.3	5.9	5.1
20	1	M	4.8	6.6	5.7	6.4	6.6	6.4	5.3	6.7	6.2	6.7	6.5	5.8	6.0	5.6	5.8	5.8	6.0	6.0	5.3	5.9	5.1
21	1	M	5.7	5.9	5.8	6.7	6.0	5.8	5.6	5.9	6.3	6.3	5.8	5.5	5.5	5.3	6.3	5.8	5.2	5.7	6.0	5.5	5.1
22	1	M	5.7	5.9	5.8	6.7	6.0	5.8	5.6	5.9	6.3	6.3	5.8	5.5	5.5	5.3	6.3	5.8	5.2	5.7	6.0	5.5	5.1
23	1	M	5.7	5.9	5.8	6.7	6.0	5.8	5.6	5.9	6.3	6.3	5.8	5.5	5.5	5.3	6.3	5.8	5.2	5.7	6.0	5.5	5.1
24	1	M	5.7	5.9	5.8	6.7	6.0	5.8	5.6	5.9	6.3	6.3	5.8	5.5	5.5	5.3	6.3	5.8	5.2	5.7	6.0	5.5	5.1
25	1	M	5.7	5.9	5.8	6.7	6.0	5.8	5.6	5.9	6.3	6.3	5.8	5.5	5.5	5.3	6.3	5.8	5.2	5.7	6.0	5.5	5.1
26	1	M	5.5	5.8	5.5	6.0	6.1	5.9	5.7	6.5	6.3	6.2	6.9	6.4	6.4	5.9	5.9	6.3	6.0	5.7	5.9	5.8	5.6
27	1	M	5.5	5.8	5.5	6.0	6.1	5.9	5.7	6.5	6.3	6.2	6.9	6.4	6.4	5.9	5.9	6.3	6.0	5.7	5.9	5.8	5.6
28	1	M	5.5	5.8	5.5	6.0	6.1	5.9	5.7	6.5	6.3	6.2	6.9	6.4	6.4	5.9	5.9	6.3	6.0	5.7	5.9	5.8	5.6
29	1	M	5.5	5.8	5.5	6.0	6.1	5.9	5.7	6.5	6.3	6.2	6.9	6.4	6.4	5.9	5.9	6.3	6.0	5.7	5.9	5.8	5.6
30	1	M	5.5	5.8	5.5	6.0	6.1	5.9	5.7	6.5	6.3	6.2	6.9	6.4	6.4	5.9	5.9	6.3	6.0	5.7	5.9	5.8	5.6
31	1	M	5.1	5.7	5.9	6.5	6.4	6.4	4.9	6.1	6.0	6.6	6.0	5.7	5.6	5.4	5.3	5.4	4.8	5.1	5.4	5.4	5.0
32	1	M	5.1	5.7	5.9	6.5	6.4	6.4	4.9	6.1	6.0	6.6	6.0	5.7	5.6	5.4	5.3	5.4	4.8	5.1	5.4	5.4	5.0
33	1	M	5.1	5.7	5.9	6.5	6.4	6.4	4.9	6.1	6.0	6.6	6.0	5.7	5.6	5.4	5.3	5.4	4.8	5.1	5.4	5.4	5.0
34	1	M	5.1	5.7	5.9	6.5	6.4	6.4	4.9	6.1	6.0	6.6	6.0	5.7	5.6	5.4	5.3	5.4	4.8	5.1	5.4	5.4	5.0
35	1	M	5.1	5.7	5.9	6.5	6.4	6.4	4.9	6.1	6.0	6.6	6.0	5.7	5.6	5.4	5.3	5.4	4.8	5.1	5.4	5.4	5.0
36	1	M	5.1	5.7	5.1	6.7	5.9	6.0	5.4	6.1	6.0	6.0	6.1	5.9	6.1	5.5	5.7	5.4	4.9	5.3	5.6	6.0	5.5
37	1	M	5.1	5.7	5.1	6.7	5.9	6.0	5.4	6.1	6.0	6.0	6.1	5.9	6.1	5.5	5.7	5.4	4.9	5.3	5.6	6.0	5.5
38	1	M	5.1	5.7	5.1	6.7	5.9	6.0	5.4	6.1	6.0	6.0	6.1	5.9	6.1	5.5	5.7	5.4	4.9	5.3	5.6	6.0	5.5
39	1	M	5.1	5.7	5.1	6.7	5.9	6.0	5.4	6.1	6.0	6.0	6.1	5.9	6.1	5.5	5.7	5.4	4.9	5.3	5.6	6.0	5.5
40	1	M	5.1	5.7	5.1	6.7	5.9	6.0	5.4	6.1	6.0	6.0	6.1	5.9	6.1	5.5	5.7	5.4	4.9	5.3	5.6	6.0	5.5

--- = NO AVAILABLE DATA

Table VII.3 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
41	1	M	5.0	5.2	4.8	5.6	5.8	5.4	5.0	5.9	4.7	5.9	6.0	5.5	5.8	5.4	5.7	5.4	5.6	5.9	5.7	6.1	6.1
42	1	M	5.0	5.2	4.8	5.6	5.8	5.4	5.0	5.9	4.7	5.9	6.0	5.5	5.8	5.4	5.7	5.4	5.6	5.9	5.7	6.1	6.1
43	1	M	5.0	5.2	4.8	5.6	5.8	5.4	5.0	5.9	4.7	5.9	6.0	5.5	5.8	5.4	5.7	5.4	5.6	5.9	5.7	6.1	6.1
44	1	M	5.0	5.2	4.8	5.6	5.8	5.4	5.0	5.9	4.7	5.9	6.0	5.5	5.8	5.4	5.7	5.4	5.6	5.9	5.7	6.1	6.1
45	1	M	5.0	5.2	4.8	5.6	5.8	5.4	5.0	5.9	4.7	5.9	6.0	5.5	5.8	5.4	5.7	5.4	5.6	5.9	5.7	6.1	6.1
46	1	M	4.7	5.1	4.8	5.4	5.0	5.8	5.7	6.6	6.2	6.3	5.8	5.3	5.9	5.9	5.8	6.2	5.6	6.6	6.1	6.6	5.8
47	1	M	4.7	5.1	4.8	5.4	5.0	5.8	5.7	6.6	6.2	6.3	5.8	5.3	5.9	5.9	5.8	6.2	5.6	6.6	6.1	6.6	5.8
48	1	M	4.7	5.1	4.8	5.4	5.0	5.8	5.7	6.6	6.2	6.3	5.8	5.3	5.9	5.9	5.8	6.2	5.6	6.6	6.1	6.6	5.8
49	1	M	4.7	5.1	4.8	5.4	5.0	5.8	5.7	6.6	6.2	6.3	5.8	5.3	5.9	5.9	5.8	6.2	5.6	6.6	6.1	6.6	5.8
50	1	M	4.7	5.1	4.8	5.4	5.0	5.8	5.7	6.6	6.2	6.3	5.8	5.3	5.9	5.9	5.8	6.2	5.6	6.6	6.1	6.6	5.8
51	1	M	5.3	5.3	5.3	6.2	6.6	6.0	5.5	7.0	5.4	6.6	6.3	6.2	6.6	5.7	6.6	5.1	5.9	6.1	6.3	5.8	6.2
52	1	M	5.3	5.3	5.3	6.2	6.6	6.0	5.5	7.0	5.4	6.6	6.3	6.2	6.6	5.7	6.6	5.1	5.9	6.1	6.3	5.8	6.2
53	1	M	5.3	5.3	5.3	6.2	6.6	6.0	5.5	7.0	5.4	6.6	6.3	6.2	6.6	5.7	6.6	5.1	5.9	6.1	6.3	5.8	6.2
54	1	M	5.3	5.3	5.3	6.2	6.6	6.0	5.5	7.0	5.4	6.6	6.3	6.2	6.6	5.7	6.6	5.1	5.9	6.1	6.3	5.8	6.2
55	1	M	5.3	5.3	5.3	6.2	6.6	6.0	5.5	7.0	5.4	6.6	6.3	6.2	6.6	5.7	6.6	5.1	5.9	6.1	6.3	5.8	6.2
56	1	M	6.0	6.7	6.2	6.7	6.6	6.9	5.6	6.3	6.5	6.7	6.2	6.9	6.8	6.3	6.7	6.2	5.8	6.2	6.3	7.1	6.6
57	1	M	6.0	6.7	6.2	6.7	6.6	6.9	5.6	6.3	6.5	6.7	6.2	6.9	6.8	6.3	6.7	6.2	5.8	6.2	6.3	7.1	6.6
58	1	M	6.0	6.7	6.2	6.7	6.6	6.9	5.6	6.3	6.5	6.7	6.2	6.9	6.8	6.3	6.7	6.2	5.8	6.2	6.3	7.1	6.6
59	1	M	6.0	6.7	6.2	6.7	6.6	6.9	5.6	6.3	6.5	6.7	6.2	6.9	6.8	6.3	6.7	6.2	5.8	6.2	6.3	7.1	6.6
60	1	M	6.0	6.7	6.2	6.7	6.6	6.9	5.6	6.3	6.5	6.7	6.2	6.9	6.8	6.3	6.7	6.2	5.8	6.2	6.3	7.1	6.6
61	1	M	7.1	5.9	6.7	6.3	6.4	6.2	5.7	7.0	6.7	6.7	6.2	6.1	6.5	6.1	5.1	5.7	5.1	5.9	5.8	5.7	4.7
62	1	M	7.1	5.9	6.7	6.3	6.4	6.2	5.7	7.0	6.7	6.7	6.2	6.1	6.5	6.1	5.1	5.7	5.1	5.9	5.8	5.7	4.7
63	1	M	7.1	5.9	6.7	6.3	6.4	6.2	5.7	7.0	6.7	6.7	6.2	6.1	6.5	6.1	5.1	5.7	5.1	5.9	5.8	5.7	4.7
64	1	M	7.1	5.9	6.7	6.3	6.4	6.2	5.7	7.0	6.7	6.7	6.2	6.1	6.5	6.1	5.1	5.7	5.1	5.9	5.8	5.7	4.7
65	1	M	7.1	5.9	6.7	6.3	6.4	6.2	5.7	7.0	6.7	6.7	6.2	6.1	6.5	6.1	5.1	5.7	5.1	5.9	5.8	5.7	4.7
66	1	M	5.3	6.4	5.3	6.3	6.7	6.4	5.7	7.0	6.4	6.9	6.3	6.6	6.6	5.9	6.3	6.7	6.3	6.3	6.3	5.8	6.0
67	1	M	5.3	6.4	5.3	6.3	6.7	6.4	5.7	7.0	6.4	6.9	6.3	6.6	6.6	5.9	6.3	6.7	6.3	6.3	6.3	5.8	6.0
68	1	M	5.3	6.4	5.3	6.3	6.7	6.4	5.7	7.0	6.4	6.9	6.3	6.6	6.6	5.9	6.3	6.7	6.3	6.3	6.3	5.8	6.0
69	1	M	5.3	6.4	5.3	6.3	6.7	6.4	5.7	7.0	6.4	6.9	6.3	6.6	6.6	5.9	6.3	6.7	6.3	6.3	6.3	5.8	6.0
70	1	M	5.3	6.4	5.3	6.3	6.7	6.4	5.7	7.0	6.4	6.9	6.3	6.6	6.6	5.9	6.3	6.7	6.3	6.3	6.3	5.8	6.0
71	1	M	5.6	6.1	5.1	5.6	5.6	5.7	5.2	6.3	5.5	6.1	5.4	5.5	5.4	4.6	5.2	4.8	5.1	5.6	5.1	6.1	5.2
72	1	M	5.6	6.1	5.1	5.6	5.6	5.7	5.2	6.3	5.5	6.1	5.4	5.5	5.4	4.6	5.2	4.8	5.1	5.6	5.1	6.1	5.2
73	1	M	5.6	6.1	5.1	5.6	5.6	5.7	5.2	6.3	5.5	6.1	5.4	5.5	5.4	4.6	5.2	4.8	5.1	5.6	5.1	6.1	5.2
74	1	M	5.6	6.1	5.1	5.6	5.6	5.7	5.2	6.3	5.5	6.1	5.4	5.5	5.4	4.6	5.2	4.8	5.1	5.6	5.1	6.1	5.2
75	1	M	5.6	6.1	5.1	5.6	5.6	5.7	5.2	6.3	5.5	6.1	5.4	5.5	5.4	4.6	5.2	4.8	5.1	5.6	5.1	6.1	5.2
76	1	F	3.4	4.7	4.7	5.3	6.8	6.0	4.7	6.4	5.9	5.9	5.4	4.3	4.3	4.5	5.3	5.5	5.6	5.3	5.4	4.4	6.1
77	1	F	3.4	4.7	4.7	5.3	6.8	6.0	4.7	6.4	5.9	5.9	5.4	4.3	4.3	4.5	5.3	5.5	5.6	5.3	5.4	4.4	6.1
78	1	F	3.4	4.7	4.7	5.3	6.8	6.0	4.7	6.4	5.9	5.9	5.4	4.3	4.3	4.5	5.3	5.5	5.6	5.3	5.4	4.4	6.1
79	1	F	3.4	4.7	4.7	5.3	6.8	6.0	4.7	6.4	5.9	5.9	5.4	4.3	4.3	4.5	5.3	5.5	5.6	5.3	5.4	4.4	6.1
80	1	F	3.4	4.7	4.7	5.3	6.8	6.0	4.7	6.4	5.9	5.9	5.4	4.3	4.3	4.5	5.3	5.5	5.6	5.3	5.4	4.4	6.1

-- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
81	1	F	3.7	5.0	3.9	4.7	5.3	5.4	4.2	5.1	5.6	4.3	4.5	3.8	6.0	3.8	4.3	4.4	3.9	4.2	3.9	4.3	4.3
82	1	F	3.7	5.0	3.9	4.7	5.3	5.4	4.2	5.1	5.6	4.3	4.5	3.8	6.0	3.8	4.3	4.4	3.9	4.2	3.9	4.3	4.3
83	1	F	3.7	5.0	3.9	4.7	5.3	5.4	4.2	5.1	5.6	4.3	4.5	3.8	6.0	3.8	4.3	4.4	3.9	4.2	3.9	4.3	4.3
84	1	F	3.7	5.0	3.9	4.7	5.3	5.4	4.2	5.1	5.6	4.3	4.5	3.8	6.0	3.8	4.3	4.4	3.9	4.2	3.9	4.3	4.3
85	1	F	3.7	5.0	3.9	4.7	5.3	5.4	4.2	5.1	5.6	4.3	4.5	3.8	6.0	3.8	4.3	4.4	3.9	4.2	3.9	4.3	4.3
86	1	F	4.0	4.0	4.7	4.9	5.3	4.3	4.3	5.9	4.6	4.8	4.7	3.4	3.6	4.0	4.0	3.6	3.6	4.6	4.3	3.8	4.6
87	1	F	4.0	4.0	4.7	4.9	5.3	4.3	4.3	5.9	4.6	4.8	4.7	3.4	3.6	4.0	4.0	3.6	3.6	4.6	4.3	3.8	4.6
88	1	F	4.0	4.0	4.7	4.9	5.3	4.3	4.3	5.9	4.6	4.8	4.7	3.4	3.6	4.0	4.0	3.6	3.6	4.6	4.3	3.8	4.6
89	1	F	4.0	4.0	4.7	4.9	5.3	4.3	4.3	5.9	4.6	4.8	4.7	3.4	3.6	4.0	4.0	3.6	3.6	4.6	4.3	3.8	4.6
90	1	F	4.0	4.0	4.7	4.9	5.3	4.3	4.3	5.9	4.6	4.8	4.7	3.4	3.6	4.0	4.0	3.6	3.6	4.6	4.3	3.8	4.6
91	1	F	3.9	4.5	5.1	5.4	5.0	5.7	5.2	5.7	6.2	6.1	5.9	4.8	5.4	4.3	5.0	4.6	4.0	4.3	4.2	4.5	4.2
92	1	F	3.9	4.5	5.1	5.4	5.0	5.7	5.2	5.7	6.2	6.1	5.9	4.8	5.4	4.3	5.0	4.6	4.0	4.3	4.2	4.5	4.2
93	1	F	3.9	4.5	5.1	5.4	5.0	5.7	5.2	5.7	6.2	6.1	5.9	4.8	5.4	4.3	5.0	4.6	4.0	4.3	4.2	4.5	4.2
94	1	F	3.9	4.5	5.1	5.4	5.0	5.7	5.2	5.7	6.2	6.1	5.9	4.8	5.4	4.3	5.0	4.6	4.0	4.3	4.2	4.5	4.2
95	1	F	3.9	4.5	5.1	5.4	5.0	5.7	5.2	5.7	6.2	6.1	5.9	4.8	5.4	4.3	5.0	4.6	4.0	4.3	4.2	4.5	4.2
96	1	F	3.9	3.9	3.5	5.5	3.9	5.0	4.0	4.2	4.1	4.1	4.1	3.4	4.4	3.6	4.2	3.9	3.9	4.0	4.4	3.7	3.5
97	1	F	3.9	3.9	3.5	5.5	3.9	5.0	4.0	4.2	4.1	4.1	4.1	3.4	4.4	3.6	4.2	3.9	3.9	4.0	4.4	3.7	3.5
98	1	F	3.9	3.9	3.5	5.5	3.9	5.0	4.0	4.2	4.1	4.1	4.1	3.4	4.4	3.6	4.2	3.9	3.9	4.0	4.4	3.7	3.5
99	1	F	3.9	3.9	3.5	5.5	3.9	5.0	4.0	4.2	4.1	4.1	4.1	3.4	4.4	3.6	4.2	3.9	3.9	4.0	4.4	3.7	3.5
100	1	F	3.9	3.9	3.5	5.5	3.9	5.0	4.0	4.2	4.1	4.1	4.1	3.4	4.4	3.6	4.2	3.9	3.9	4.0	4.4	3.7	3.5
101	1	F	3.5	4.1	4.2	4.7	4.9	4.3	4.2	4.8	3.7	4.8	4.8	3.8	4.5	3.8	4.2	3.9	3.5	4.1	4.7	4.9	4.9
102	1	F	3.5	4.1	4.2	4.7	4.9	4.3	4.2	4.8	3.7	4.8	4.8	3.8	4.5	3.8	4.2	3.9	3.5	4.1	4.7	4.9	4.9
103	1	F	3.5	4.1	4.2	4.7	4.9	4.3	4.2	4.8	3.7	4.8	4.8	3.8	4.5	3.8	4.2	3.9	3.5	4.1	4.7	4.9	4.9
104	1	F	3.5	4.1	4.2	4.7	4.9	4.3	4.2	4.8	3.7	4.8	4.8	3.8	4.5	3.8	4.2	3.9	3.5	4.1	4.7	4.9	4.9
105	1	F	3.5	4.1	4.2	4.7	4.9	4.3	4.2	4.8	3.7	4.8	4.8	3.8	4.5	3.8	4.2	3.9	3.5	4.1	4.7	4.9	4.9
106	1	F	3.2	3.9	4.1	4.8	5.0	4.5	3.9	5.3	5.0	4.8	4.2	3.9	3.9	4.1	3.9	4.0	4.4	4.5	4.9	4.3	4.8
107	1	F	3.2	3.9	4.1	4.8	5.0	4.5	3.9	5.3	5.0	4.8	4.2	3.9	3.9	4.1	3.9	4.0	4.4	4.5	4.9	4.3	4.8
108	1	F	3.2	3.9	4.1	4.8	5.0	4.5	3.9	5.3	5.0	4.8	4.2	3.9	3.9	4.1	3.9	4.0	4.4	4.5	4.9	4.3	4.8
109	1	F	3.2	3.9	4.1	4.8	5.0	4.5	3.9	5.3	5.0	4.8	4.2	3.9	3.9	4.1	3.9	4.0	4.4	4.5	4.9	4.3	4.8
110	1	F	3.2	3.9	4.1	4.8	5.0	4.5	3.9	5.3	5.0	4.8	4.2	3.9	3.9	4.1	3.9	4.0	4.4	4.5	4.9	4.3	4.8
111	1	F	4.1	4.1	4.8	6.1	6.1	5.2	5.6	5.4	3.7	4.4	4.6	4.1	4.7	4.3	3.5	3.7	3.3	4.2	3.9	3.8	3.8
112	1	F	4.1	4.1	4.8	6.1	6.1	5.2	5.6	5.4	3.7	4.4	4.6	4.1	4.7	4.3	3.5	3.7	3.3	4.2	3.9	3.8	3.8
113	1	F	4.1	4.1	4.8	6.1	6.1	5.2	5.6	5.4	3.7	4.4	4.6	4.1	4.7	4.3	3.5	3.7	3.3	4.2	3.9	3.8	3.8
114	1	F	4.1	4.1	4.8	6.1	6.1	5.2	5.6	5.4	3.7	4.4	4.6	4.1	4.7	4.3	3.5	3.7	3.3	4.2	3.9	3.8	3.8
115	1	F	4.1	4.1	4.8	6.1	6.1	5.2	5.6	5.4	3.7	4.4	4.6	4.1	4.7	4.3	3.5	3.7	3.3	4.2	3.9	3.8	3.8
116	1	F	4.2	3.3	4.1	5.2	4.6	4.8	3.5	4.9	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.7	3.9	4.1	3.6	3.5	4.0
117	1	F	4.2	3.3	4.1	5.2	4.6	4.8	3.5	4.9	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.7	3.9	4.1	3.6	3.5	4.0
118	1	F	4.2	3.3	4.1	5.2	4.6	4.8	3.5	4.9	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.7	3.9	4.1	3.6	3.5	4.0
119	1	F	4.2	3.3	4.1	5.2	4.6	4.8	3.5	4.9	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.7	3.9	4.1	3.6	3.5	4.0
120	1	F	4.2	3.3	4.1	5.2	4.6	4.8	3.5	4.9	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.7	3.9	4.1	3.6	3.5	4.0

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	GROUP	SEX	TEST WEEK 2	1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
121	1	F	3.3	4.0	3.7	5.2	5.6	5.1	4.5	6.3	4.8	4.5	3.8	3.4	3.5	4.5	3.7	4.0	4.3	4.1	4.3	5.5	3.1
122	1	F	3.3	4.0	3.7	5.2	5.6	5.1	4.5	6.3	4.8	4.5	3.8	3.4	3.5	4.5	3.7	4.0	4.3	4.1	4.3	5.5	3.1
123	1	F	3.3	4.0	3.7	5.2	5.6	5.1	4.5	6.3	4.8	4.5	3.8	3.4	3.5	4.5	3.7	4.0	4.3	4.1	4.3	5.5	3.1
124	1	F	3.3	4.0	3.7	5.2	5.6	5.1	4.5	6.3	4.8	4.5	3.8	3.4	3.5	4.5	3.7	4.0	4.3	4.1	4.3	5.5	3.1
125	1	F	3.3	4.0	3.7	5.2	5.6	5.1	4.5	6.3	4.8	4.5	3.8	3.4	3.5	4.5	3.7	4.0	4.3	4.1	4.3	5.5	3.1
126	1	F	3.5	4.3	3.7	5.1	5.3	4.4	4.2	5.8	3.5	4.2	3.6	3.4	3.3	3.2	3.3	3.3	3.5	3.6	3.6	3.5	3.7
127	1	F	3.5	4.3	3.7	5.1	5.3	4.4	4.2	5.8	3.5	4.2	3.6	3.4	3.3	3.2	3.3	3.3	3.5	3.6	3.6	3.5	3.7
128	1	F	3.5	4.3	3.7	5.1	5.3	4.4	4.2	5.8	3.5	4.2	3.6	3.4	3.3	3.2	3.3	3.3	3.5	3.6	3.6	3.5	3.7
129	1	F	3.5	4.3	3.7	5.1	5.3	4.4	4.2	5.8	3.5	4.2	3.6	3.4	3.3	3.2	3.3	3.3	3.5	3.6	3.6	3.5	3.7
130	1	F	3.5	4.3	3.7	5.1	5.3	4.4	4.2	5.8	3.5	4.2	3.6	3.4	3.3	3.2	3.3	3.3	3.5	3.6	3.6	3.5	3.7
131	1	F	3.3	3.1	5.3	4.6	4.3	5.7	3.7	5.9	4.3	4.7	4.6	4.0	5.8	4.3	4.7	4.2	4.7	4.1	4.9	4.1	4.0
132	1	F	3.3	3.1	5.3	4.6	4.3	5.7	3.7	5.9	4.3	4.7	4.6	4.0	5.8	4.3	4.7	4.2	4.7	4.1	4.9	4.1	4.0
133	1	F	3.3	3.1	5.3	4.6	4.3	5.7	3.7	5.9	4.3	4.7	4.6	4.0	5.8	4.3	4.7	4.2	4.7	4.1	4.9	4.1	4.0
134	1	F	3.3	3.1	5.3	4.6	4.3	5.7	3.7	5.9	4.3	4.7	4.6	4.0	5.8	4.3	4.7	4.2	4.7	4.1	4.9	4.1	4.0
135	1	F	3.3	3.1	5.3	4.6	4.3	5.7	3.7	5.9	4.3	4.7	4.6	4.0	5.8	4.3	4.7	4.2	4.7	4.1	4.9	4.1	4.0
136	1	F	3.3	2.8	3.6	4.2	4.2	4.0	3.3	4.1	3.7	3.7	3.4	3.8	3.9	3.8	3.7	3.9	4.1	4.0	4.1	4.1	4.6
137	1	F	3.3	2.8	3.6	4.2	4.2	4.0	3.3	4.1	3.7	3.7	3.4	3.8	3.9	3.8	3.7	3.9	4.1	4.0	4.1	4.1	4.6
138	1	F	3.3	2.8	3.6	4.2	4.2	4.0	3.3	4.1	3.7	3.7	3.4	3.8	3.9	3.8	3.7	3.9	4.1	4.0	4.1	4.1	4.6
139	1	F	3.3	2.8	3.6	4.2	4.2	4.0	3.3	4.1	3.7	3.7	3.4	3.8	3.9	3.8	3.7	3.9	4.1	4.0	4.1	4.1	4.6
140	1	F	3.3	2.8	3.6	4.2	4.2	4.0	3.3	4.1	3.7	3.7	3.4	3.8	3.9	3.8	3.7	3.9	4.1	4.0	4.1	4.1	4.6
141	1	F	4.1	3.5	4.7	5.6	4.0	5.5	4.9	5.3	5.3	4.4	4.4	3.8	4.1	4.3	4.1	5.7	4.7	5.3	4.9	3.9	5.0
142	1	F	4.1	3.5	4.7	5.6	4.0	5.5	4.9	5.3	5.3	4.4	4.4	3.8	4.1	4.3	4.1	5.7	4.7	5.3	4.9	3.9	5.0
143	1	F	4.1	3.5	4.7	5.6	4.0	5.5	4.9	5.3	5.3	4.4	4.4	3.8	4.1	4.3	4.1	5.7	4.7	5.3	4.9	3.9	5.0
144	1	F	4.1	3.5	4.7	5.6	4.0	5.5	4.9	5.3	5.3	4.4	4.4	3.8	4.1	4.3	4.1	5.7	4.7	5.3	4.9	3.9	5.0
145	1	F	4.1	3.5	4.7	5.6	4.0	5.5	4.9	5.3	5.3	4.4	4.4	3.8	4.1	4.3	4.1	5.7	4.7	5.3	4.9	3.9	5.0
146	1	F	5.0	4.7	4.1	5.3	5.5	6.3	4.0	4.7	4.8	5.1	4.9	4.1	4.2	3.5	4.1	3.9	3.5	3.5	3.7	4.1	4.0
147	1	F	5.0	4.7	4.1	5.3	5.5	6.3	4.0	4.7	4.8	5.1	4.9	4.1	4.2	3.5	4.1	3.9	3.5	3.5	3.7	4.1	4.0
148	1	F	5.0	4.7	4.1	5.3	5.5	6.3	4.0	4.7	4.8	5.1	4.9	4.1	4.2	3.5	4.1	3.9	3.5	3.5	3.7	4.1	
149	1	F	5.0	4.7	4.1	5.3	5.5	6.3	4.0	4.7	4.8	5.1	4.9	4.1	4.2	3.5	4.1	3.9	3.5	3.5	3.7	4.1	4.0
150	1	F	5.0	4.7	4.1	5.3	5.5	6.3	4.0	4.7	4.8	5.1	4.9	4.1	4.2	3.5	4.1	3.9	3.5	3.5	3.7	4.1	4.0
151	2	M	5.4	5.7	4.9	5.5	5.0	5.9	5.0	5.1	5.1	5.7	4.8	5.3	5.1	5.0	4.6	5.1	4.8	4.8	5.2	4.9	4.9
152	2	M	5.4	5.7	4.9	5.5	5.0	5.9	5.0	5.1	5.1	5.7	4.8	5.3	5.1	5.0	4.6	5.1	4.8	4.8	5.2	4.9	4.9
153	2	M	5.4	5.7	4.9	5.5	5.0	5.9	5.0	5.1	5.1	5.7	4.8	5.3	5.1	5.0	4.6	5.1	4.8	4.8	5.2	4.9	4.9
154	2	M	5.4	5.7	4.9	5.5	5.0	5.9	5.0	5.1	5.1	5.7	4.8	5.3	5.1	5.0	4.6	5.1	4.8	4.8	5.2	4.9	4.9
155	2	M	5.4	5.7	4.9	5.5	5.0	5.9	5.0	5.1	5.1	5.7	4.8	5.3	5.1	5.0	4.6	5.1	4.8	4.8	5.2	4.9	4.9
156	2	M	4.9	4.4	4.7	5.1	5.2	5.3	5.5	4.9	6.1	5.1	4.7	5.6	4.8	4.5	4.5	4.7	4.2	4.0	4.5	4.3	4.1
157	2	M	4.9	4.4	4.7	5.1	5.2	5.3	5.5	4.9	6.1	5.1	4.7	5.6	4.8	4.5	4.5	4.7	4.2	4.0	4.5	4.3	4.1
158	2	M	4.9	4.4	4.7	5.1	5.2	5.3	5.5	4.9	6.1	5.1	4.7	5.6	4.8	4.5	4.5	4.7	4.2	4.0	4.5	4.3	4.1
159	2	M	4.9	4.4	4.7	5.1	5.2	5.3	5.5	4.9	6.1	5.1	4.7	5.6	4.8	4.5	4.5	4.7	4.2	4.0	4.5	4.3	4.1
160	2	M	4.9	4.4	4.7	5.1	5.2	5.3	5.5	4.9	6.1	5.1	4.7	5.6	4.8	4.5	4.5	4.7	4.2	4.0	4.5	4.3	4.1

- NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

TEST WEEK

ANIMAL NO	TR GROUP	SEX	-2	1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	[illegible]	[illegible]
161	2	M	6.5	6.3	6.5	6.5	5.7	5.9	6.2	5.6	5.9	6.7	5.7	6.1	5.8	5.7	6.0	7.0	5.2	4.9	4.9	4.9	7.5
162	2	M	6.5	6.3	6.5	6.5	5.7	5.9	6.2	5.6	5.9	6.7	5.7	6.1	5.8	5.7	6.0	7.0	5.2	4.9	4.9	4.9	7.5
163	2	M	6.5	6.3	6.5	6.5	5.7	5.9	6.2	5.6	5.9	6.7	5.7	6.1	5.8	5.7	6.0	7.0	5.2	4.9	4.9	4.9	7.5
164	2	M	6.5	6.3	6.5	6.5	5.7	5.9	6.2	5.6	5.9	6.7	5.7	6.1	5.8	5.7	6.0	7.0	5.2	4.9	4.9	4.9	7.5
165	2	M	6.5	6.3	6.5	6.5	5.7	5.9	6.2	5.6	5.9	6.7	5.7	6.1	5.8	5.7	6.0	7.0	5.2	4.9	4.9	4.9	7.5
166	2	M	4.8	5.6	5.1	6.1	7.3	5.7	6.2	6.3	5.9	6.3	5.3	6.3	5.7	5.3	5.5	5.7	5.3	5.4	5.3	5.6	5.7
167	2	M	4.8	5.6	5.1	6.1	7.3	5.7	6.2	6.3	5.9	6.3	5.3	6.3	5.7	5.3	5.5	5.7	5.3	5.4	5.3	5.6	5.7
168	2	M	4.8	5.6	5.1	6.1	7.3	5.7	6.2	6.3	5.9	6.3	5.3	6.3	5.7	5.3	5.5	5.7	5.3	5.4	5.3	5.6	5.7
169	2	M	4.8	5.6	5.1	6.1	7.3	5.7	6.2	6.3	5.9	6.3	5.3	6.3	5.7	5.3	5.5	5.7	5.3	5.4	5.3	5.6	5.7
170	2	M	4.8	5.6	5.1	6.1	7.3	5.7	6.2	6.3	5.9	6.3	5.3	6.3	5.7	5.3	5.5	5.7	5.3	5.4	5.3	5.6	5.7
171	2	M	5.8	6.4	5.8	6.1	5.8	6.0	6.3	6.6	7.3	6.3	---	6.3	5.3	6.0	5.9	6.1	5.5	5.5	5.9	---	4.8
172	2	M	5.8	6.4	5.8	6.1	5.8	6.0	6.3	6.6	7.3	6.3	---	6.3	5.3	6.0	5.9	6.1	5.5	5.5	5.9	---	4.8
173	2	M	5.8	6.4	5.8	6.1	5.8	6.0	6.3	6.6	7.3	6.3	---	6.3	5.3	6.0	5.9	6.1	5.5	5.5	5.9	---	4.8
174	2	M	5.8	6.4	5.8	6.1	5.8	6.0	6.3	6.6	7.3	6.3	---	6.3	5.3	6.0	5.9	6.1	5.5	5.5	5.9	---	4.8
175	2	M	5.8	6.4	5.8	6.1	5.8	6.0	6.3	6.6	7.3	6.3	---	6.3	5.3	6.0	5.9	6.1	5.5	5.5	5.9	---	4.8
176	2	M	5.2	6.3	5.1	5.6	4.6	4.8	4.7	4.3	4.5	4.7	4.4	5.7	5.0	4.7	4.3	4.7	4.9	4.4	7.0	4.7	4.7
177	2	M	5.2	6.3	5.1	5.6	4.6	4.8	4.7	4.3	4.5	4.7	4.4	5.7	5.0	4.7	4.3	4.7	4.9	4.4	7.0	4.7	1.7
178	2	M	5.2	6.3	5.1	5.6	4.6	4.8	4.7	4.3	4.5	4.7	4.4	5.7	5.0	4.7	4.3	4.7	4.9	4.4	7.0	4.7	4.7
179	2	M	5.2	6.3	5.1	5.6	4.6	4.8	4.7	4.3	4.5	4.7	4.4	5.7	5.0	4.7	4.3	4.7	4.9	4.4	7.0	4.7	4.7
180	2	M	5.2	6.3	5.1	5.6	4.6	4.8	4.7	4.3	4.5	4.7	4.4	5.7	5.0	4.7	4.3	4.7	4.9	4.4	7.0	4.7	4.7
181	2	M	4.2	4.3	4.3	4.6	4.8	4.9	5.0	4.8	4.8	5.2	5.2	5.5	5.3	5.2	5.1	5.0	5.1	5.0	5.4	5.5	5.1
182	2	M	4.2	4.3	4.3	4.6	4.8	4.9	5.0	4.8	4.8	5.2	5.2	5.5	5.3	5.2	5.1	5.0	5.1	5.0	5.4	5.5	5.1
183	2	M	4.2	4.3	4.3	4.6	4.8	4.9	5.0	4.8	4.8	5.2	5.2	5.5	5.3	5.2	5.1	5.0	5.1	5.0	5.4	5.5	5.1
184	2	M	4.2	4.3	4.3	4.6	4.8	4.9	5.0	4.8	4.8	5.2	5.2	5.5	5.3	5.2	5.1	5.0	5.1	5.0	5.4	5.5	5.1
185	2	M	4.2	4.3	4.3	4.6	4.8	4.9	5.0	4.8	4.8	5.2	5.2	5.5	5.3	5.2	5.1	5.0	5.1	5.0	5.4	5.5	5.1
186	2	M	4.3	4.8	4.5	5.4	4.8	4.9	5.1	4.7	4.9	4.7	4.5	4.6	4.6	4.3	4.4	4.9	4.6	4.6	6.6	5.4	5.2
187	2	M	4.3	4.8	4.5	5.4	4.8	4.9	5.1	4.7	4.9	4.7	4.5	4.6	4.6	4.3	4.4	4.9	4.6	4.6	6.6	5.4	5.2
188	2	M	4.3	4.8	4.5	5.4	4.8	4.9	5.1	4.7	4.9	4.7	4.5	4.6	4.6	4.3	4.4	4.9	4.6	4.6	6.6	5.4	5.2
189	2	M	4.3	4.8	4.5	5.4	4.8	4.9	5.1	4.7	4.9	4.7	4.5	4.6	4.6	4.3	4.4	4.9	4.6	4.6	6.6	5.4	5.2
190	2	M	4.3	4.8	4.5	5.4	4.8	4.9	5.1	4.7	4.9	4.7	4.5	4.6	4.6	4.3	4.4	4.9	4.6	4.6	6.6	5.4	5.2
191	2	M	6.1	6.4	5.6	6.5	6.0	5.9	6.8	6.4	5.8	5.7	5.2	5.6	5.5	5.3	4.8	5.6	5.9	5.9	6.2	6.4	5.9
192	2	M	6.1	6.4	5.6	6.5	6.0	5.9	6.8	6.4	5.8	5.7	5.2	5.6	5.5	5.3	4.8	5.6	5.9	5.9	6.2	6.4	5.9
193	2	M	6.1	6.4	5.6	6.5	6.0	5.9	6.8	6.4	5.8	5.7	5.2	5.6	5.5	5.3	4.8	5.6	5.9	5.9	6.2	6.4	5.9
194	2	M	6.1	6.4	5.6	6.5	6.0	5.9	6.8	6.4	5.8	5.7	5.2	5.6	5.5	5.3	4.8	5.6	5.9	5.9	6.2	6.4	5.9
195	2	M	6.1	6.4	5.6	6.5	6.0	5.9	6.8	6.4	5.8	5.7	5.2	5.6	5.5	5.3	4.8	5.6	5.9	5.9	6.2	6.4	5.9
196	2	M	4.9	5.0	5.5	7.0	5.1	5.8	5.3	5.2	6.0	5.6	6.5	6.5	5.5	5.3	5.5	5.9	6.0	4.7	6.5	5.8	5.3
197	2	M	4.9	5.0	5.5	7.0	5.1	5.8	5.3	5.2	6.0	5.6	6.5	6.5	5.5	5.3	5.5	5.9	6.0	4.7	6.5	5.8	5.3
198	2	M	4.9	5.0	5.5	7.0	5.1	5.8	5.3	5.2	6.0	5.6	6.5	6.5	5.5	5.3	5.5	5.9	6.0	4.7	6.5	5.8	5.3
199	2	M	4.9	5.0	5.5	7.0	5.1	5.8	5.3	5.2	6.0	5.6	6.5	6.5	5.5	5.3	5.5	5.9	6.0	4.7	6.5	5.8	5.3
200	2	M	4.9	5.0	5.5	7.0	5.1	5.8	5.3	5.2	6.0	5.6	6.5	6.5	5.5	5.3	5.5	5.9	6.0	4.7	6.5	5.8	5.3

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
201	2	M	7.0	6.8	5.7	6.7	7.1	6.4	6.1	5.8	4.9	5.7	5.3	5.8	5.8	5.0	5.4	5.0	5.2	4.6	5.1	4.9	5.0
202	2	M	7.0	6.8	5.7	6.7	7.1	6.4	6.1	5.8	4.9	5.7	5.3	5.8	5.8	5.0	5.4	5.0	5.2	4.6	5.1	4.9	5.0
203	2	M	7.0	6.8	5.7	6.7	7.1	6.4	6.1	5.8	4.9	5.7	5.3	5.8	5.8	5.0	5.4	5.0	5.2	4.6	5.1	4.9	5.0
204	2	M	7.0	6.8	5.7	6.7	7.1	6.4	6.1	5.8	4.9	5.7	5.3	5.8	5.8	5.0	5.4	5.0	5.2	4.6	5.1	4.9	5.0
205	2	M	7.0	6.8	5.7	6.7	7.1	6.4	6.1	5.8	4.9	5.7	5.3	5.8	5.8	5.0	5.4	5.0	5.2	4.6	5.1	4.9	5.0
206	2	M	5.5	5.9	4.7	5.1	5.5	5.8	5.7	6.2	4.9	5.8	5.7	5.7	5.6	4.3	4.2	4.3	4.9	4.4	4.8	4.8	4.5
207	2	M	5.5	5.9	4.7	5.1	5.5	5.8	5.7	6.2	4.9	5.8	5.7	5.7	5.6	4.3	4.2	4.3	4.9	4.4	4.8	4.8	4.5
208	2	M	5.5	5.9	4.7	5.1	5.5	5.8	5.7	6.2	4.9	5.8	5.7	5.7	5.6	4.3	4.2	4.3	4.9	4.4	4.8	4.8	4.5
209	2	M	5.5	5.9	4.7	5.1	5.5	5.8	5.7	6.2	4.9	5.8	5.7	5.7	5.6	4.3	4.2	4.3	4.9	4.4	4.8	4.8	4.5
210	2	M	5.5	5.9	4.7	5.1	5.5	5.8	5.7	6.2	4.9	5.8	5.7	5.7	5.6	4.3	4.2	4.3	4.9	4.4	4.8	4.8	4.5
211	2	M	5.7	5.8	5.2	5.5	5.5	6.3	6.9	6.3	6.0	6.1	5.8	6.5	5.9	5.1	4.9	5.3	5.8	5.0	6.2	5.4	5.5
212	2	M	5.7	5.8	5.2	5.5	5.5	6.3	6.9	6.3	6.0	6.1	5.8	6.5	5.9	5.1	4.9	5.3	5.8	5.0	6.2	5.4	5.5
213	2	M	5.7	5.8	5.2	5.5	5.5	6.3	6.9	6.3	6.0	6.1	5.8	6.5	5.9	5.1	4.9	5.3	5.8	5.0	6.2	5.4	5.5
214	2	M	5.7	5.8	5.2	5.5	5.5	6.3	6.9	6.3	6.0	6.1	5.8	6.5	5.9	5.1	4.9	5.3	5.8	5.0	6.2	5.4	5.5
215	2	M	5.7	5.8	5.2	5.5	5.5	6.3	6.9	6.3	6.0	6.1	5.8	6.5	5.9	5.1	4.9	5.3	5.8	5.0	6.2	5.4	5.5
216	2	M	4.2	4.4	4.9	5.4	5.0	5.3	4.7	5.3	5.5	5.3	4.6	5.1	4.6	4.4	4.3	4.6	4.5	4.6	4.6	5.0	4.6
217	2	M	4.2	4.4	4.9	5.4	5.0	5.3	4.7	5.3	5.5	5.3	4.6	5.1	4.6	4.4	4.3	4.6	4.5	4.6	4.6	5.0	4.6
218	2	M	4.2	4.4	4.9	5.4	5.0	5.3	4.7	5.3	5.5	5.3	4.6	5.1	4.6	4.4	4.3	4.6	4.5	4.6	4.6	5.0	4.6
219	2	M	4.2	4.4	4.9	5.4	5.0	5.3	4.7	5.3	5.5	5.3	4.6	5.1	4.6	4.4	4.3	4.6	4.5	4.6	4.6	5.0	4.6
220	2	M	4.2	4.4	4.9	5.4	5.0	5.3	4.7	5.3	5.5	5.3	4.6	5.1	4.6	4.4	4.3	4.6	4.5	4.6	4.6	5.0	4.6
221	2	M	6.6	4.2	4.1	4.3	4.3	4.3	4.4	4.8	4.6	4.5	4.5	5.3	4.8	4.4	4.3	4.0	6.9	4.8	4.7	4.5	4.3
222	2	M	6.6	4.2	4.1	4.3	4.3	4.3	4.4	4.8	4.6	4.5	4.5	5.3	4.8	4.4	4.3	4.0	6.9	4.8	4.7	4.5	4.3
223	2	M	6.6	4.2	4.1	4.3	4.3	4.3	4.4	4.8	4.6	4.5	4.5	5.3	4.8	4.4	4.3	4.0	6.9	4.8	4.7	4.5	4.3
224	2	M	6.6	4.2	4.1	4.3	4.3	4.3	4.4	4.8	4.6	4.5	4.5	5.3	4.8	4.4	4.3	4.0	6.9	4.8	4.7	4.5	4.3
225	2	M	6.6	4.2	4.1	4.3	4.3	4.3	4.4	4.8	4.6	4.5	4.5	5.3	4.8	4.4	4.3	4.0	6.9	4.8	4.7	4.5	4.3
226	2	F	3.1	5.7	3.9	4.3	4.3	3.6	4.0	3.6	3.5	4.2	3.5	3.7	3.8	3.9	3.6	4.5	4.4	3.8	4.4	3.7	4.2
227	2	F	3.1	5.7	3.9	4.3	4.3	3.6	4.0	3.6	3.5	4.2	3.5	3.7	3.8	3.9	3.6	4.5	4.4	3.8	4.4	3.7	4.2
228	2	F	3.1	5.7	3.9	4.3	4.3	3.6	4.0	3.6	3.5	4.2	3.5	3.7	3.8	3.9	3.6	4.5	4.4	3.8	4.4	3.7	4.2
229	2	F	3.1	5.7	3.9	4.3	4.3	3.6	4.0	3.6	3.5	4.2	3.5	3.7	3.8	3.9	3.6	4.5	4.4	3.8	4.4	3.7	4.2
230	2	F	3.1	5.7	3.9	4.3	4.3	3.6	4.0	3.6	3.5	4.2	3.5	3.7	3.8	3.9	3.6	4.5	4.4	3.8	4.4	3.7	4.2
231	2	F	4.1	3.2	3.0	3.5	3.2	3.7	4.5	3.7	4.2	4.4	3.9	4.5	4.3	4.1	4.2	4.4	4.3	4.2	5.5	4.1	4.2
232	2	F	4.1	3.2	3.0	3.5	3.2	3.7	4.5	3.7	4.2	4.4	3.9	4.5	4.3	4.1	4.2	4.4	4.3	4.2	5.5	4.1	4.2
233	2	F	4.1	3.2	3.0	3.5	3.2	3.7	4.5	3.7	4.2	4.4	3.9	4.5	4.3	4.1	4.2	4.4	4.3	4.2	5.5	4.1	4.2
234	2	F	4.1	3.2	3.0	3.5	3.2	3.7	4.5	3.7	4.2	4.4	3.9	4.5	4.3	4.1	4.2	4.4	4.3	4.2	5.5	4.1	4.2
235	2	F	4.1	3.2	3.0	3.5	3.2	3.7	4.5	3.7	4.2	4.4	3.9	4.5	4.3	4.1	4.2	4.4	4.3	4.2	5.5	4.1	4.2
236	2	F	4.4	4.1	5.3	4.9	5.1	5.3	5.1	4.3	3.6	4.0	4.6	4.5	4.1	4.4	4.9	4.0	4.3	3.7	4.5	4.1	4.1
237	2	F	4.4	4.1	5.3	4.9	5.1	5.3	5.1	4.3	3.6	4.0	4.6	4.5	4.1	4.4	4.9	4.0	4.3	3.7	4.5	4.1	4.1
238	2	F	4.4	4.1	5.3	4.9	5.1	5.3	5.1	4.3	3.6	4.0	4.6	4.5	4.1	4.4	4.9	4.0	4.3	3.7	4.5	4.1	4.1
239	2	F	4.4	4.1	5.3	4.9	5.1	5.3	5.1	4.3	3.6	4.0	4.6	4.5	4.1	4.4	4.9	4.0	4.3	3.7	4.5	4.1	4.1
240	2	F	4.4	4.1	5.3	4.9	5.1	5.3	5.1	4.3	3.6	4.0	4.6	4.5	4.1	4.4	4.9	4.0	4.3	3.7	4.5	4.1	4.1

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
241	2	F	2.9	4.2	3.8	4.0	4.8	4.5	4.0	3.9	3.5	4.1	3.8	4.6	3.8	3.3	3.9	4.0	4.7	3.9	4.7	4.0	3.8
242	2	F	2.9	4.2	3.8	4.0	4.8	4.5	4.0	3.9	3.5	4.1	3.8	4.6	3.8	3.3	---	---	---	---	---	---	---
243	2	F	2.9	4.2	3.8	4.0	4.8	4.5	4.0	3.9	3.5	4.1	3.8	4.6	3.8	3.3	3.9	4.0	4.7	3.9	4.7	4.0	3.8
244	2	F	2.9	4.2	3.8	4.0	4.8	4.5	4.0	3.9	3.5	4.1	3.8	4.6	3.8	3.3	3.9	4.0	4.7	3.9	4.7	4.0	3.8
245	2	F	2.9	4.2	3.8	4.0	4.8	4.5	4.0	3.9	3.5	4.1	3.8	4.6	3.8	3.3	3.9	4.0	4.7	3.9	4.7	4.0	3.8
246	2	F	3.1	3.5	5.1	4.2	5.3	3.8	4.3	5.4	3.6	4.3	3.8	4.1	4.3	4.4	4.1	3.8	3.7	3.9	4.5	4.3	4.3
247	2	F	3.1	3.5	5.1	4.2	5.3	3.8	4.3	5.4	3.6	4.3	3.8	4.1	4.3	4.4	4.1	3.8	3.7	3.9	4.5	4.3	4.3
248	2	F	3.1	3.5	5.1	4.2	5.3	3.8	4.3	5.4	3.6	4.3	3.8	4.1	4.3	4.4	4.1	3.8	3.7	3.9	4.5	4.3	4.3
249	2	F	3.1	3.5	5.1	4.2	5.3	3.8	4.3	5.4	3.6	4.3	3.8	4.1	4.3	4.4	4.1	3.8	3.7	3.9	4.5	4.3	4.3
250	2	F	3.1	3.5	5.1	4.2	5.3	3.8	4.3	5.4	3.6	4.3	3.8	4.1	4.3	4.4	4.1	3.8	3.7	3.9	4.5	4.3	4.3
251	2	F	3.7	3.7	3.8	3.9	3.8	4.5	4.3	3.8	3.7	3.4	3.5	3.7	3.7	3.7	3.3	3.9	3.3	3.7	4.6	3.7	3.7
252	2	F	3.7	3.7	3.8	3.9	3.8	4.5	4.3	3.8	3.7	3.4	3.5	3.7	3.7	3.7	3.3	3.9	3.3	3.7	4.6	3.7	3.7
253	2	F	3.7	3.7	3.8	3.9	3.8	4.5	4.3	3.8	3.7	3.4	3.5	3.7	3.7	3.7	3.3	3.9	3.3	3.7	4.6	3.7	3.7
254	2	F	3.7	3.7	3.8	3.9	3.8	4.5	4.3	3.8	3.7	3.4	3.5	3.7	3.7	3.7	3.3	3.9	3.3	3.7	4.6	3.7	3.7
255	2	F	3.7	3.7	3.8	3.9	3.8	4.5	4.3	3.8	3.7	3.4	3.5	3.7	3.7	3.7	3.3	3.9	3.3	3.7	4.6	3.7	3.7
256	2	F	3.7	4.0	3.3	4.3	3.9	6.3	4.2	4.3	3.7	4.1	3.7	5.6	3.7	3.8	3.6	3.6	4.3	3.5	5.4	4.6	3.6
257	2	F	3.7	4.0	3.3	4.3	3.9	6.3	4.2	4.3	3.7	4.1	3.7	5.6	3.7	3.8	3.6	3.6	4.3	3.5	5.4	4.6	3.6
258	2	F	3.7	4.0	3.3	4.3	3.9	6.3	4.2	4.3	3.7	4.1	3.7	5.6	3.7	3.8	3.6	3.6	4.3	3.5	5.4	4.6	3.6
259	2	F	3.7	4.0	3.3	4.3	3.9	6.3	4.2	4.3	3.7	4.1	3.7	5.6	3.7	3.8	3.6	3.6	4.3	3.5	5.4	4.6	3.6
260	2	F	3.7	4.0	3.3	4.3	3.9	6.3	4.2	4.3	3.7	4.1	3.7	5.6	3.7	3.8	3.6	3.6	4.3	3.5	5.4	4.6	3.6
261	2	F	5.3	4.6	4.2	5.3	5.1	5.8	5.1	5.5	5.4	5.9	4.3	4.3	4.1	4.3	4.3	4.2	4.8	4.7	5.9	4.6	5.1
262	2	F	5.3	4.6	4.2	5.3	5.1	5.8	5.1	5.5	5.4	5.9	4.3	4.3	4.1	4.3	4.3	4.2	4.8	4.7	5.9	4.6	5.1
263	2	F	5.3	4.6	4.2	5.3	5.1	5.8	5.1	5.5	5.4	5.9	4.3	4.3	4.1	4.3	4.3	4.2	4.8	4.7	5.9	4.6	5.1
264	2	F	5.3	4.6	4.2	5.3	5.1	5.8	5.1	5.5	5.4	5.9	4.3	4.3	4.1	4.3	4.3	4.2	4.8	4.7	5.9	4.6	5.1
265	2	F	5.3	4.6	4.2	5.3	5.1	5.8	5.1	5.5	5.4	5.9	4.3	4.3	4.1	4.3	4.3	4.2	4.8	4.7	5.9	4.6	5.1
266	2	F	4.2	5.3	4.1	3.9	5.5	5.1	4.2	5.7	3.9	4.8	5.8	3.5	3.9	4.5	3.5	4.0	3.9	3.7	4.6	4.5	4.1
267	2	F	4.2	5.3	4.1	3.9	5.5	5.1	4.2	5.7	3.9	4.8	5.8	3.5	3.9	4.5	3.5	4.0	3.9	3.7	4.6	4.5	4.1
268	2	F	4.2	5.3	4.1	3.9	5.5	5.1	4.2	5.7	3.9	4.8	5.8	3.5	3.9	4.5	3.5	4.0	3.9	3.7	4.6	4.5	4.1
269	2	F	4.2	5.3	4.1	3.9	5.5	5.1	4.2	5.7	3.9	4.8	5.8	3.5	3.9	4.5	3.5	4.0	3.9	3.7	4.6	4.5	4.1
270	2	F	4.2	5.3	4.1	3.9	5.5	5.1	4.2	5.7	3.9	4.8	5.8	3.5	3.9	4.5	3.5	4.0	3.9	3.7	4.6	4.5	4.1
271	2	F	4.4	3.4	3.4	4.0	4.0	3.6	4.0	4.0	4.0	3.6	3.6	3.5	3.7	3.7	3.3	3.7	4.1	3.7	4.7	3.9	4.1
272	2	F	4.4	3.4	3.4	4.0	4.0	3.6	4.0	4.0	4.0	3.6	3.6	3.5	3.7	3.7	3.3	3.7	4.1	3.7	4.7	3.9	4.1
273	2	F	4.4	3.4	3.4	4.0	4.0	3.6	4.0	4.0	4.0	3.6	3.6	3.5	3.7	3.7	3.3	3.7	4.1	3.7	4.7	3.9	4.1
274	2	F	4.4	3.4	3.4	4.0	4.0	3.6	4.0	4.0	4.0	3.6	3.6	3.5	3.7	3.7	3.3	3.7	4.1	3.7	4.7	3.9	4.1
275	2	F	4.4	3.4	3.4	4.0	4.0	3.6	4.0	4.0	4.0	3.6	3.6	3.5	3.7	3.7	3.3	3.7	4.1	3.7	4.7	3.9	4.1
276	2	F	4.1	3.9	3.7	4.8	4.6	6.7	3.7	4.4	3.5	5.0	3.5	4.0	3.8	3.7	3.5	3.3	3.7	3.7	4.0	3.9	4.0
277	2	F	4.1	3.9	3.7	4.8	4.6	6.7	3.7	4.4	3.5	5.0	3.5	4.0	3.8	3.7	3.5	3.3	3.7	3.7	4.0	3.9	4.0
278	2	F	4.1	3.9	3.7	4.8	4.6	6.7	3.7	4.4	3.5	5.0	3.5	4.0	3.8	3.7	3.5	3.3	3.7	3.7	4.0	3.9	4.0
279	2	F	4.1	3.9	3.7	4.8	4.6	6.7	3.7	4.4	3.5	5.0	3.5	4.0	3.8	3.7	3.5	3.3	3.7	3.7	4.0	3.9	4.0
280	2	F	4.1	3.9	3.7	4.8	4.6	6.7	3.7	4.4	3.5	5.0	3.5	4.0	3.8	3.7	3.5	3.3	3.7	3.7	4.0	3.9	4.0

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																				
ANIMAL NO	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
281	2	F	3.5	2.8	3.3	3.5	4.0	4.1	4.9	5.0	3.4	4.5	4.2	4.0	4.8	4.0	3.7	3.7	3.8	3.7	4.3	4.0	3.9
282	2	F	3.5	2.8	3.3	3.5	4.0	4.1	4.9	5.0	3.4	4.5	4.2	4.0	4.8	4.0	3.7	3.7	3.8	3.7	4.3	4.0	3.9
283	2	F	3.5	2.8	3.3	3.5	4.0	4.1	4.9	5.0	3.4	4.5	4.2	4.0	4.8	4.0	3.7	3.7	3.8	3.7	4.3	4.0	3.9
284	2	F	3.5	2.8	3.3	3.5	4.0	4.1	4.9	5.0	3.4	4.5	4.2	4.0	4.8	4.0	3.7	3.7	3.8	3.7	4.3	4.0	3.9
285	2	F	3.5	2.8	3.3	3.5	4.0	4.1	4.9	5.0	3.4	4.5	4.2	4.0	4.8	4.0	3.7	3.7	3.8	3.7	4.3	4.0	3.9
286	2	F	4.2	3.5	5.1	5.1	5.1	4.6	4.6	4.1	3.5	3.8	3.7	4.0	4.4	4.0	3.6	3.2	3.4	3.5	4.8	4.2	3.9
287	2	F	4.2	3.5	5.1	5.1	5.1	4.6	4.6	4.1	3.5	3.8	3.7	4.0	4.4	4.0	3.6	3.2	3.4	3.5	4.8	4.2	3.9
288	2	F	4.2	3.5	5.1	5.1	5.1	4.6	4.6	4.1	3.5	3.8	3.7	4.0	4.4	4.0	3.6	3.2	3.4	3.5	4.8	4.2	3.9
289	2	F	4.2	3.5	5.1	5.1	5.1	4.6	4.6	4.1	3.5	3.8	3.7	4.0	4.4	4.0	3.6	3.2	3.4	3.5	4.8	4.2	3.9
290	2	F	4.2	3.5	5.1	5.1	5.1	4.6	4.6	4.1	3.5	3.8	3.7	4.0	4.4	4.0	3.6	3.2	3.4	3.5	4.8	4.2	3.9
291	2	F	4.1	5.0	3.3	3.4	5.3	4.7	4.7	4.8	4.5	4.3	3.5	3.5	---	3.5	3.6	3.7	3.9	3.5	4.7	4.1	3.9
292	2	F	4.1	5.0	3.3	3.4	5.3	4.7	4.7	4.8	4.5	4.3	3.5	3.5	---	3.5	3.6	3.7	3.9	3.5	4.7	4.1	3.9
293	2	F	4.1	5.0	3.3	3.4	5.3	4.7	4.7	4.8	4.5	4.3	3.5	3.5	---	3.5	3.6	3.7	3.9	3.5	4.7	4.1	3.9
294	2	F	4.1	5.0	3.3	3.4	5.3	4.7	4.7	4.8	4.5	4.3	3.5	3.5	---	3.5	3.6	3.7	3.9	3.5	4.7	4.1	3.9
295	2	F	4.1	5.0	3.3	3.4	5.3	4.7	4.7	4.8	4.5	4.3	3.5	3.5	---	3.5	3.6	3.7	3.9	3.5	4.7	4.1	3.9
296	2	F	4.3	3.8	3.3	3.5	3.7	3.7	3.7	3.7	3.5	3.5	3.4	3.4	3.6	3.4	3.2	3.4	3.7	3.1	4.3	4.0	3.7
297	2	F	4.3	3.8	3.3	3.5	3.7	3.7	3.7	3.7	3.5	3.5	3.4	3.4	3.6	3.4	3.2	3.4	3.7	3.1	4.3	4.0	3.7
298	2	F	4.3	3.8	3.3	3.5	3.7	3.7	3.7	3.7	3.5	3.5	3.4	3.4	3.6	3.4	3.2	3.4	3.7	3.1	4.3	4.0	3.7
299	2	F	4.3	3.8	3.3	3.5	3.7	3.7	3.7	3.7	3.5	3.5	3.4	3.4	3.6	3.4	3.2	3.4	3.7	3.1	4.3	4.0	3.7
300	2	F	4.3	3.8	3.3	3.5	3.7	3.7	3.7	3.7	3.5	3.5	3.4	3.4	3.6	3.4	3.2	3.4	3.7	3.1	4.3	4.0	3.7
301	3	M	6.4	6.3	6.0	5.1	4.7	6.3	6.7	5.1	6.1	6.3	6.5	6.9	5.5	5.4	4.7	4.8	4.9	4.7	5.4	4.6	5.0
302	3	M	6.4	6.3	6.0	5.1	4.7	6.3	6.7	5.1	6.1	6.3	6.5	6.9	5.5	5.4	4.7	4.8	4.9	4.7	5.4	4.6	5.0
303	3	M	6.4	6.3	6.0	5.1	4.7	6.3	6.7	5.1	6.1	6.3	6.5	6.9	5.5	5.4	4.7	4.8	4.9	4.7	5.4	4.6	5.0
304	3	M	6.4	6.3	6.0	5.1	4.7	6.3	6.7	5.1	6.1	6.3	6.5	6.9	5.5	5.4	4.7	4.8	4.9	4.7	5.4	4.6	5.0
305	3	M	6.4	6.3	6.0	5.1	4.7	6.3	6.7	5.1	6.1	6.3	6.5	6.9	5.5	5.4	4.7	4.8	4.9	4.7	5.4	4.6	5.0
306	3	M	6.5	5.9	4.6	6.0	4.9	6.7	5.7	5.4	5.3	5.6	5.5	5.7	5.5	5.0	5.2	5.4	5.2	5.0	5.0	4.9	5.1
307	3	M	6.5	5.9	4.6	6.0	4.9	6.7	5.7	5.4	5.3	5.6	5.5	5.7	5.5	5.0	5.2	5.4	5.2	5.0	5.0	4.9	5.1
308	3	M	6.5	5.9	4.6	6.0	4.9	6.7	5.7	5.4	5.3	5.6	5.5	5.7	5.5	5.0	5.2	5.4	5.2	5.0	5.0	4.9	5.1
309	3	M	6.5	5.9	4.6	6.0	4.9	6.7	5.7	5.4	5.3	5.6	5.5	5.7	5.5	5.0	5.2	5.4	5.2	5.0	5.0	4.9	5.1
310	3	M	6.5	5.9	4.6	6.0	4.9	6.7	5.7	5.4	5.3	5.6	5.5	5.7	5.5	5.0	5.2	5.4	5.2	5.0	5.0	4.9	5.1
311	3	M	4.8	5.1	4.7	5.1	4.8	5.3	5.5	5.5	5.5	5.3	5.1	5.0	5.1	4.7	4.9	4.8	4.4	4.5	4.7	5.0	4.7
312	3	M	4.8	5.1	4.7	5.1	4.8	5.3	5.5	5.5	5.5	5.3	5.1	5.0	5.1	4.7	4.9	4.8	4.4	4.5	4.7	5.0	4.7
313	3	M	4.8	5.1	4.7	5.1	4.8	5.3	5.5	5.5	5.5	5.3	5.1	5.0	5.1	4.7	4.9	4.8	4.4	4.5	4.7	5.0	4.7
314	3	M	4.8	5.1	4.7	5.1	4.8	5.3	5.5	5.5	5.5	5.3	5.1	5.0	5.1	4.7	4.9	4.8	4.4	4.5	4.7	5.0	4.7
315	3	M	4.8	5.1	4.7	5.1	4.8	5.3	5.5	5.5	5.5	5.3	5.1	5.0	5.1	4.7	4.9	4.8	4.4	4.5	4.7	5.0	4.7
316	3	M	4.3	4.8	4.6	5.0	4.6	5.3	5.1	5.4	4.9	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.3	4.4	4.8	4.8	4.7
317	3	M	4.3	4.8	4.6	5.0	4.6	5.3	5.1	5.4	4.9	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.3	4.4	4.8	4.8	4.7
318	3	M	4.3	4.8	4.6	5.0	4.6	5.3	5.1	5.4	4.9	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.3	4.4	4.8	4.8	4.7
319	3	M	4.3	4.8	4.6	5.0	4.6	5.3	5.1	5.4	4.9	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.3	4.4	4.8	4.8	4.7
320	3	M	4.3	4.8	4.6	5.0	4.6	5.3	5.1	5.4	4.9	4.9	4.7	4.9	4.9	---	---	---	---	---			

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
321	3	M	5.4	5.1	5.1	5.3	5.0	5.4	6.0	5.5	6.3	6.1	5.4	5.2	5.3	5.1	5.3	5.4	5.0	5.1	5.4	5.3	5.6
322	3	M	5.4	5.1	5.1	5.3	5.0	5.4	6.0	5.5	6.3	6.1	5.4	5.2	5.3	5.1	5.3	5.4	5.0	5.1	5.4	5.3	5.6
323	3	M	5.4	5.1	5.1	5.3	5.0	5.4	6.0	5.5	6.3	6.1	5.4	5.2	5.3	5.1	5.3	5.4	5.0	5.1	5.4	5.3	5.6
324	3	M	5.4	5.1	5.1	5.3	5.0	5.4	6.0	5.5	6.3	6.1	5.4	5.2	5.3	5.1	5.3	5.4	5.0	5.1	5.4	5.3	5.6
325	3	M	5.4	5.1	5.1	5.3	5.0	5.4	6.0	5.5	6.3	6.1	5.4	5.2	5.3	5.1	5.3	5.4	5.0	5.1	5.4	5.3	5.6
326	3	M	4.7	4.9	4.7	5.1	4.9	6.2	5.9	5.3	6.1	6.1	6.0	5.9	5.6	5.2	5.1	5.8	5.9	5.8	6.9	6.4	5.9
327	3	M	4.7	4.9	4.7	5.1	4.9	6.2	5.9	5.3	6.1	6.1	6.0	5.9	5.6	5.2	5.1	5.8	5.9	5.8	6.9	6.4	5.9
328	3	M	4.7	4.9	4.7	5.1	4.9	6.2	5.9	5.3	6.1	6.1	6.0	5.9	5.6	5.2	5.1	5.8	5.9	5.8	6.9	6.4	5.9
329	3	M	4.7	4.9	4.7	5.1	4.9	6.2	5.9	5.3	6.1	6.1	6.0	5.9	5.6	5.2	5.1	5.8	5.9	5.8	6.9	6.4	5.9
330	3	M	4.7	4.9	4.7	5.1	4.9	6.2	5.9	5.3	6.1	6.1	6.0	5.9	5.6	5.2	5.1	5.8	5.9	5.8	6.9	6.4	5.9
331	3	M	4.9	6.2	4.4	4.9	4.8	6.1	5.9	6.0	5.5	5.1	5.2	5.2	4.6	4.9	4.3	4.2	4.4	4.4	4.4	4.8	4.5
332	3	M	4.9	6.2	4.4	4.9	4.8	6.1	5.9	6.0	5.5	5.1	5.2	5.2	4.6	4.9	4.3	4.2	4.4	4.4	4.4	4.8	4.5
333	3	M	4.9	6.2	4.4	4.9	4.8	6.1	5.9	6.0	5.5	5.1	5.2	5.2	4.6	4.9	4.3	4.2	4.4	4.4	4.4	4.8	4.5
334	3	M	4.9	6.2	4.4	4.9	4.8	6.1	5.9	6.0	5.5	5.1	5.2	5.2	4.6	4.9	4.3	4.2	4.4	4.4	4.4	4.8	4.5
335	3	M	4.9	6.2	4.4	4.9	4.8	6.1	5.9	6.0	5.5	5.1	5.2	5.2	4.6	4.9	4.3	4.2	4.4	4.4	4.4	4.8	4.5
336	3	M	5.1	5.4	5.0	5.7	5.3	5.9	5.7	5.5	5.6	5.8	5.4	6.7	6.1	4.8	5.0	4.8	5.1	4.9	5.7	5.9	5.1
337	3	M	5.1	5.4	5.0	5.7	5.3	5.9	5.7	5.5	5.6	5.8	5.4	6.7	6.1	4.8	5.0	4.8	5.1	4.9	5.7	5.9	5.1
338	3	M	5.1	5.4	5.0	5.7	5.3	5.9	5.7	5.5	5.6	5.8	5.4	6.7	6.1	4.8	5.0	4.8	5.1	4.9	5.7	5.9	5.1
339	3	M	5.1	5.4	5.0	5.7	5.3	5.9	5.7	5.5	5.6	5.8	5.4	6.7	6.1	4.8	5.0	4.8	5.1	4.9	5.7	5.9	5.1
340	3	M	5.1	5.4	5.0	5.7	5.3	5.9	5.7	5.5	5.6	5.8	5.4	6.7	6.1	4.8	5.0	4.8	5.1	4.9	5.7	5.9	5.1
341	3	M	4.8	6.5	4.7	5.9	5.6	5.9	5.6	5.6	5.3	5.8	6.6	6.6	5.5	5.2	5.4	6.8	5.5	5.1	6.1	5.3	5.1
342	3	M	4.8	6.5	4.7	5.9	5.6	5.9	5.6	5.6	5.3	5.8	6.6	6.6	5.5	5.2	5.4	6.8	5.5	5.1	6.1	5.3	5.1
343	3	M	4.8	6.5	4.7	5.9	5.6	5.9	5.6	5.6	5.3	5.8	6.6	6.6	5.5	5.2	5.4	6.8	5.5	5.1	6.1	5.3	5.1
344	3	M	4.8	6.5	4.7	5.9	5.6	5.9	5.6	5.6	5.3	5.8	6.6	6.6	5.5	5.2	5.4	6.8	5.5	5.1	6.1	5.3	5.1
345	3	M	4.8	6.5	4.7	5.9	5.6	5.9	5.6	5.6	5.3	5.8	6.6	6.6	5.5	5.2	5.4	6.8	5.5	5.1	6.1	5.3	5.1
346	3	M	6.1	5.8	4.2	5.3	5.4	5.8	5.6	5.5	6.0	5.7	5.1	6.3	5.8	5.3	5.8	5.1	5.4	5.3	5.4	5.0	4.9
347	3	M	6.1	5.8	4.2	5.3	5.4	5.8	5.6	5.5	6.0	5.7	5.1	6.3	5.8	5.3	5.8	5.1	5.4	5.3	5.4	5.0	4.9
348	3	M	6.1	5.8	4.2	5.3	5.4	5.8	5.6	5.5	6.0	5.7	5.1	6.3	5.8	5.3	5.8	5.1	5.4	5.3	5.4	5.0	4.9
349	3	M	6.1	5.8	4.2	5.3	5.4	5.8	5.6	5.5	6.0	5.7	5.1	6.3	5.8	5.3	5.8	5.1	5.4	5.3	5.4	5.0	4.9
350	3	M	6.1	5.8	4.2	5.3	5.4	5.8	5.6	5.5	6.0	5.7	5.1	6.3	5.8	5.3	5.8	5.1	5.4	5.3	5.4	5.0	4.9
351	3	M	4.5	4.5	4.1	4.4	4.4	5.6	5.5	5.5	5.5	5.1	5.2	5.1	5.7	5.1	5.0	4.8	5.1	4.9	5.7	5.2	5.1
352	3	M	4.5	4.5	4.1	4.4	4.4	5.6	5.5	5.5	5.5	5.1	5.2	5.1	5.7	5.1	5.0	4.8	5.1	4.9	5.7	5.2	5.1
353	3	M	4.5	4.5	4.1	4.4	4.4	5.6	5.5	5.5	5.5	5.1	5.2	5.1	5.7	5.1	5.0	4.8	5.1	4.9	5.7	5.2	5.1
354	3	M	4.5	4.5	4.1	4.4	4.4	5.6	5.5	5.5	5.5	5.1	5.2	5.1	5.7	5.1	5.0	4.8	5.1	4.9	5.7	5.2	5.1
355	3	M	4.5	4.5	4.1	4.4	4.4	5.6	5.5	5.5	5.5	5.1	5.2	5.1	5.7	5.1	5.0	4.8	5.1	4.9	5.7	5.2	5.1
356	3	M	5.0	5.1	5.9	6.1	5.4	6.3	5.7	5.8	5.6	5.7	5.5	6.1	5.2	5.4	5.4	5.9	5.5	6.9	6.9	6.0	6.1
357	3	M	5.0	5.1	5.9	6.1	5.4	6.3	5.7	5.8	5.6	5.7	5.5	6.1	5.2	5.4	5.4	5.9	5.5	6.9	6.9	6.0	6.1
358	3	M	5.0	5.1	5.9	6.1	5.4	6.3	5.7	5.8	5.6	5.7	5.5	6.1	5.2	5.4	5.4	5.9	5.5	6.9	6.9	6.0	6.1
359	3	M	5.0	5.1	5.9	6.1	5.4	6.3	5.7	5.8	5.6	5.7	5.5	6.1	5.2	5.4	5.4	5.9	5.5	6.9	6.9	6.0	6.1
360	3	M	5.0	5.1	5.9	6.1	5.4	6.3	5.7	5.8	5.6	5.7	5.5	6.1	5.2	5.4	5.4	5.9	5.5	6.9	6.9	6.0	6.1

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
361	3	M	6.4	6.8	5.9	4.9	5.7	5.6	5.7	6.7	6.4	5.8	6.2	5.8	5.7	5.1	6.8	5.3	5.2	4.9	7.2	5.6	5.5
362	3	M	6.4	6.8	5.9	4.9	5.7	5.6	5.7	6.7	6.4	5.8	6.2	5.8	5.7	5.1	6.8	5.3	5.2	4.9	7.2	5.6	5.5
363	3	M	6.4	6.8	5.9	4.9	5.7	5.6	5.7	6.7	6.4	5.8	6.2	5.8	5.7	5.1	6.8	5.3	5.2	4.9	7.2	5.6	5.5
364	3	M	6.4	6.8	5.9	4.9	5.7	5.6	5.7	6.7	6.4	5.8	6.2	5.8	5.7	5.1	6.8	5.3	5.2	4.9	7.2	5.6	5.5
365	3	M	6.4	6.8	5.9	4.9	5.7	5.6	5.7	6.7	6.4	5.8	6.2	5.8	5.7	5.1	6.8	5.3	5.2	4.9	7.2	5.6	5.5
366	3	M	---	5.7	4.9	5.2	5.2	5.9	5.9	5.4	6.2	6.0	5.9	6.3	5.9	5.7	5.1	5.9	5.7	5.4	7.4	6.0	5.9
367	3	M	---	5.7	4.9	5.2	5.2	5.9	5.9	5.4	6.2	6.0	5.9	6.3	5.9	5.7	5.1	5.9	5.7	5.4	7.4	6.0	5.9
368	3	M	---	5.7	4.9	5.2	5.2	5.9	5.9	5.4	6.2	6.0	5.9	6.3	5.9	5.7	5.1	5.9	5.7	5.4	7.4	6.0	5.9
369	3	M	---	5.7	4.9	5.2	5.2	5.9	5.9	5.4	6.2	6.0	5.9	6.3	5.9	5.7	5.1	5.9	5.7	5.4	7.4	6.0	5.9
370	3	M	---	5.7	4.9	5.2	5.2	5.9	5.9	5.4	6.2	6.0	5.9	6.3	---	---	---	---	---	---	---	---	
371	3	M	6.1	6.1	6.7	5.6	5.6	6.5	6.9	6.4	6.2	5.6	6.3	6.3	5.3	5.3	5.3	4.5	5.6	5.7	5.1	4.8	4.9
372	3	M	6.1	6.1	6.7	5.6	5.6	6.5	6.9	6.4	6.2	5.6	6.3	6.3	5.3	5.3	5.3	4.5	5.6	5.7	5.1	4.8	4.9
373	3	M	6.1	6.1	6.7	5.6	5.6	6.5	6.9	6.4	6.2	5.6	6.3	6.3	5.3	5.3	5.3	4.5	5.6	5.7	5.1	4.8	4.9
374	3	M	6.1	6.1	6.7	5.6	5.6	6.5	6.9	6.4	6.2	5.6	6.3	6.3	5.3	5.3	5.3	4.5	5.6	5.7	5.1	4.8	4.9
375	3	M	6.1	6.1	6.7	5.6	5.6	6.5	6.9	6.4	6.2	5.6	6.3	6.3	5.3	5.3	5.3	4.5	5.6	5.7	5.1	4.8	4.9
376	3	F	4.1	4.7	4.5	4.8	4.9	5.9	5.3	5.0	6.5	6.6	5.4	5.6	5.0	4.7	4.3	3.8	4.1	4.9	6.1	5.0	4.1
377	3	F	4.1	4.7	4.5	4.8	4.9	5.9	5.3	5.0	6.5	6.6	5.4	5.6	5.0	4.7	4.3	3.8	4.1	4.9	6.1	5.0	4.1
378	3	F	4.1	4.7	4.5	4.8	4.9	5.9	5.3	5.0	6.5	6.6	5.4	5.6	5.0	4.7	4.3	3.8	4.1	4.9	6.1	5.0	4.1
379	3	F	4.1	4.7	4.5	4.8	4.9	5.9	5.3	5.0	6.5	6.6	5.4	5.6	5.0	4.7	4.3	3.8	4.1	4.9	6.1	5.0	4.1
380	3	F	4.1	4.7	4.5	4.8	4.9	5.9	5.3	5.0	6.5	6.6	5.4	5.6	5.0	4.7	4.3	3.8	4.1	4.9	6.1	5.0	4.1
381	3	F	3.6	4.4	3.9	4.7	5.3	3.9	3.5	4.3	4.0	3.5	4.0	4.1	3.8	3.7	4.0	3.5	4.4	3.7	4.9	4.3	4.1
382	3	F	3.6	4.4	3.9	4.7	5.3	3.9	3.5	4.3	4.0	3.5	4.0	4.1	3.8	3.7	4.0	3.5	4.4	3.7	4.9	4.3	4.1
383	3	F	3.6	4.4	3.9	4.7	5.3	3.9	3.5	4.3	4.0	3.5	4.0	4.1	3.8	3.7	4.0	3.5	4.4	3.7	4.9	4.3	4.1
384	3	F	3.6	4.4	3.9	4.7	5.3	3.9	3.5	4.3	4.0	3.5	4.0	4.1	3.8	3.7	4.0	3.5	4.4	3.7	4.9	4.3	4.1
385	3	F	3.6	4.4	3.9	4.7	5.3	3.9	3.5	4.3	4.0	3.5	4.0	4.1	3.8	3.7	4.0	3.5	4.4	3.7	4.9	4.3	4.1
386	3	F	3.1	4.2	4.0	4.7	4.5	4.4	4.0	4.2	4.1	5.3	4.1	3.7	3.7	4.1	3.1	3.9	3.7	3.7	4.6	4.0	---
387	3	F	3.1	4.2	4.0	4.7	4.5	4.4	4.0	4.2	4.1	5.3	4.1	3.7	3.7	4.1	3.1	3.9	3.7	3.7	4.6	4.0	---
388	3	F	3.1	4.2	4.0	4.7	4.5	4.4	4.0	4.2	4.1	5.3	4.1	3.7	3.7	4.1	3.1	3.9	3.7	3.7	4.6	4.0	---
389	3	F	3.1	4.2	4.0	4.7	4.5	4.4	4.0	4.2	4.1	5.3	4.1	3.7	3.7	4.1	3.1	3.9	3.7	3.7	4.6	4.0	---
390	3	F	3.1	4.2	4.0	4.7	4.5	4.4	4.0	4.2	4.1	5.3	4.1	3.7	3.7	4.1	3.1	3.9	3.7	3.7	4.6	4.0	---
391	3	F	3.6	3.5	5.0	3.9	4.6	4.7	4.4	5.6	5.5	3.9	3.9	4.2	4.2	3.8	4.0	4.1	4.6	4.2	4.3	4.0	5.0
392	3	F	3.6	3.5	5.0	3.9	4.6	4.7	4.4	5.6	5.5	3.9	3.9	4.2	4.2	3.8	4.0	4.1	4.6	4.2	4.3	4.0	5.0
393	3	F	3.6	3.5	5.0	3.9	4.6	4.7	4.4	5.6	5.5	3.9	3.9	4.2	4.2	3.8	4.0	4.1	4.6	4.2	4.3	4.0	5.0
394	3	F	3.6	3.5	5.0	3.9	4.6	4.7	4.4	5.6	5.5	3.9	3.9	4.2	4.2	3.8	4.0	4.1	4.6	4.2	4.3	4.0	5.0
395	3	F	3.6	3.5	5.0	3.9	4.6	4.7	4.4	5.6	5.5	3.9	3.9	4.2	4.2	3.8	4.0	4.1	4.6	4.2	4.3	4.0	5.0
396	3	F	4.6	4.8	3.9	6.1	4.7	5.4	5.4	5.6	5.8	6.1	5.4	5.8	4.8	5.1	5.1	5.4	5.3	5.2	6.7	---	5.1
397	3	F	4.6	4.8	3.9	6.1	4.7	5.4	5.4	5.6	5.8	6.1	5.4	5.8	4.8	5.1	5.1	5.4	5.3	5.2	6.7	---	5.1
398	3	F	4.6	4.8	3.9	6.1	4.7	5.4	5.4	5.6	5.8	6.1	5.4	5.8	4.8	5.1	5.1	5.4	5.3	5.2	6.7	---	5.1
399	3	F	4.6	4.8	3.9	6.1	4.7	5.4	5.4	5.6	5.8	6.1	5.4	5.8	4.8	5.1	5.1	5.4	5.3	5.2	6.7	---	5.1
400	3	F	4.6	4.8	3.9	6.1	4.7	5.4	5.4	5.6	5.8	6.1	5.4	5.8	4.8	5.1	5.1	5.4	5.3	5.2	6.7	---	5.1

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																				
ANIMAL NO	TR GROUP	SEX	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
401	3	F	4.5	5.3	4.9	6.5	6.1	6.6	5.4	6.7	6.8	6.0	4.3	4.5	4.5	4.1	4.0	4.3	4.0	4.1	4.8	4.4	4.0
402	3	F	4.5	5.3	4.9	6.5	6.1	6.6	5.4	6.7	6.8	6.0	4.3	4.5	4.5	4.1	4.0	4.3	4.0	4.1	4.8	4.4	4.0
403	3	F	4.5	5.3	4.9	6.5	6.1	6.6	5.4	6.7	6.8	6.0	4.3	4.5	4.5	4.1	4.0	4.3	4.0	4.1	4.8	4.4	4.0
404	3	F	4.5	5.3	4.9	6.5	6.1	6.6	5.4	6.7	6.8	6.0	4.3	4.5	4.5	4.1	4.0	4.3	4.0	4.1	4.8	4.4	4.0
405	3	F	4.5	5.3	4.9	6.5	6.1	6.6	5.4	6.7	6.8	6.0	4.3	4.5	4.5	4.1	4.0	4.3	4.0	4.1	4.8	4.4	4.0
406	3	F	4.5	5.7	3.6	4.5	4.5	5.5	4.2	4.6	4.8	3.8	3.6	4.2	3.7	3.6	3.7	3.8	3.4	3.9	5.6	4.1	4.2
407	3	F	4.5	5.7	3.6	4.5	4.5	5.5	4.2	4.6	4.8	3.8	3.6	4.2	3.7	3.6	3.7	3.8	3.4	3.9	5.6	4.1	4.2
408	3	F	4.5	5.7	3.6	4.5	4.5	5.5	4.2	4.6	4.8	3.8	3.6	4.2	3.7	3.6	3.7	3.8	3.4	3.9	5.6	4.1	4.2
409	3	F	4.5	5.7	3.6	4.5	4.5	5.5	4.2	4.6	4.8	3.8	3.6	4.2	3.7	3.6	3.7	3.8	3.4	3.9	5.6	4.1	4.2
410	3	F	4.5	5.7	3.6	4.5	4.5	5.5	4.2	4.6	4.8	3.8	3.6	4.2	3.7	3.6	3.7	3.8	3.4	3.9	5.6	4.1	4.2
411	3	F	4.1	4.5	4.3	5.6	5.5	5.7	4.9	5.4	5.1	5.6	4.6	5.5	4.5	3.7	4.9	4.0	3.3	3.9	4.6	4.2	4.4
412	3	F	4.1	4.5	4.3	5.6	5.5	5.7	4.9	5.4	5.1	5.6	4.6	5.5	4.5	3.7	4.9	4.0	3.3	3.9	4.6	4.2	4.4
413	3	F	4.1	4.5	4.3	5.6	5.5	5.7	4.9	5.4	5.1	5.6	4.6	5.5	4.5	3.7	4.9	4.0	3.3	3.9	4.6	4.2	4.4
414	3	F	4.1	4.5	4.3	5.6	5.5	5.7	4.9	5.4	5.1	5.6	4.6	5.5	4.5	3.7	4.9	4.0	3.3	3.9	4.6	4.2	4.4
415	3	F	4.1	4.5	4.3	5.6	5.5	5.7	4.9	5.4	5.1	5.6	4.6	5.5	4.5	3.7	4.9	4.0	3.3	3.9	4.6	4.2	4.4
416	3	F	3.9	5.5	4.7	5.5	5.2	5.4	5.9	4.9	4.5	5.0	5.1	4.3	3.9	4.3	4.4	4.2	3.9	4.1	5.3	4.9	3.5
417	3	F	3.9	5.5	4.7	5.5	5.2	5.4	5.9	4.9	4.5	5.0	5.1	4.3	3.9	4.3	4.4	4.2	3.9	4.1	5.3	4.9	3.5
418	3	F	3.9	5.5	4.7	5.5	5.2	5.4	5.9	4.9	4.5	5.0	5.1	4.3	3.9	4.3	4.4	4.2	3.9	4.1	5.3	4.9	3.5
419	3	F	3.9	5.5	4.7	5.5	5.2	5.4	5.9	4.9	4.5	5.0	5.1	4.3	3.9	4.3	4.4	4.2	3.9	4.1	5.3	4.9	3.5
420	3	F	3.9	5.5	4.7	5.5	5.2	5.4	5.9	4.9	4.5	5.0	5.1	4.3	3.9	4.3	4.4	4.2	3.9	4.1	5.3	4.9	3.5
421	3	F	3.5	5.1	3.6	5.7	5.2	5.6	5.8	6.8	4.7	5.7	5.2	5.5	7.0	4.4	4.0	5.3	5.4	4.5	5.4	4.9	4.1
422	3	F	3.5	5.1	3.6	5.7	5.2	5.6	5.8	6.8	4.7	5.7	5.2	5.5	7.0	4.4	4.0	5.3	5.4	4.5	5.4	4.9	4.1
423	3	F	3.5	5.1	3.6	5.7	5.2	5.6	5.8	6.8	4.7	5.7	5.2	5.5	7.0	4.4	4.0	5.3	5.4	4.5	5.4	4.9	4.1
424	3	F	3.5	5.1	3.6	5.7	5.2	5.6	5.8	6.8	4.7	5.7	5.2	5.5	7.0	4.4	4.0	5.3	5.4	4.5	5.4	4.9	4.1
425	3	F	3.5	5.1	3.6	5.7	5.2	5.6	5.8	6.8	4.7	5.7	5.2	5.5	7.0	4.4	4.0	5.3	5.4	4.5	5.4	4.9	4.1
426	3	F	4.5	4.4	5.7	5.9	5.5	5.5	5.0	4.5	4.2	4.7	3.6	4.5	4.6	3.6	3.8	3.7	3.5	3.8	5.1	4.7	4.2
427	3	F	4.5	4.4	5.7	5.9	5.5	5.5	5.0	4.5	4.2	4.7	3.6	4.5	4.6	3.6	3.8	3.7	3.5	3.8	5.1	4.7	4.2
428	3	F	4.5	4.4	5.7	5.9	5.5	5.5	5.0	4.5	4.2	4.7	3.6	4.5	4.6	3.6	3.8	3.7	3.5	3.8	5.1	4.7	4.2
429	3	F	4.5	4.4	5.7	5.9	5.5	5.5	5.0	4.5	4.2	4.7	3.6	4.5	4.6	3.6	3.8	3.7	3.5	3.8	5.1	4.7	4.2
430	3	F	4.5	4.4	5.7	5.9	5.5	5.5	5.0	4.5	4.2	4.7	3.6	4.5	4.6	3.6	3.8	3.7	3.5	3.8	5.1	4.7	4.2
431	3	F	4.3	3.2	3.5	4.0	4.3	4.2	4.5	4.7	4.3	4.9	4.6	4.3	4.5	4.2	4.1	5.0	4.6	3.8	4.8	4.2	4.4
432	3	F	4.3	3.2	3.5	4.0	4.3	4.2	4.5	4.7	4.3	4.9	4.6	4.3	4.5	4.2	4.1	5.0	4.6	3.8	4.8	4.2	4.4
433	3	F	4.3	3.2	3.5	4.0	4.3	4.2	4.5	4.7	4.3	4.9	4.6	4.3	4.5	4.2	4.1	5.0	4.6	3.8	4.8	4.2	4.4
434	3	F	4.3	3.2	3.5	4.0	4.3	4.2	4.5	4.7	4.3	4.9	4.6	4.3	4.5	4.2	4.1	5.0	4.6	3.8	4.8	4.2	4.4
435	3	F	4.3	3.2	3.5	4.0	4.3	4.2	4.5	4.7	4.3	4.9	4.6	4.3	4.5	4.2	4.1	5.0	4.6	3.8	4.8	4.2	4.4
436	3	F	3.6	4.7	4.3	5.5	7.0	5.4	6.0	6.9	5.5	7.6	5.3	5.8	5.8	5.9	4.4	5.1	4.1	4.2	4.9	4.9	4.5
437	3	F	3.6	4.7	4.3	5.5	7.0	5.4	6.0	6.9	5.5	7.6	5.3	5.8	5.8	5.9	4.4	5.1	4.1	4.2	4.9	4.9	4.5
438	3	F	3.6	4.7	4.3	5.5	7.0	5.4	6.0	6.9	5.5	7.6	5.3	5.8	5.8	5.9	4.4	5.1	4.1	4.2	4.9	4.9	4.5
439	3	F	3.6	4.7	4.3	5.5	7.0	5.4	6.0	6.9	5.5	7.6	5.3	5.8	5.8	5.9	4.4	5.1	4.1	4.2	4.9	4.9	4.5
440	3	F	3.6	4.7	4.3	5.5	7.0	5.4	6.0	6.9	5.5	7.6	5.3	5.8	5.8	5.9	4.4	5.1	4.1	4.2	4.9	4.9	4.5

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
441	3	F	2.9	5.2	3.4	3.3	5.2	4.9	4.3	4.1	3.9	3.7	4.1	3.7	3.9	3.8	3.5	3.5	3.5	3.8	4.6	3.8	4.7
442	3	F	2.9	5.2	3.4	3.3	5.2	4.9	4.3	4.1	3.9	3.7	4.1	3.7	3.9	3.8	3.5	3.5	3.5	3.8	4.6	3.8	4.7
443	3	F	2.9	5.2	3.4	3.3	5.2	4.9	4.3	4.1	3.9	3.7	4.1	3.7	3.9	3.8	3.5	3.5	3.5	3.8	4.6	3.8	4.7
444	3	F	2.9	5.2	3.4	3.3	5.2	4.9	4.3	4.1	3.9	3.7	4.1	3.7	3.9	3.8	3.5	3.5	3.5	3.8	4.6	3.8	4.7
445	3	F	2.9	5.2	3.4	3.3	5.2	4.9	4.3	4.1	3.9	3.7	4.1	3.7	3.9	3.8	3.5	3.5	3.5	3.8	4.6	3.8	4.7
446	3	F	3.5	4.0	3.7	3.9	4.2	4.2	4.1	4.6	4.7	4.5	4.3	4.2	4.0	4.1	4.2	4.3	4.7	4.1	6.0	4.7	4.1
447	3	F	3.5	4.0	3.7	3.9	4.2	4.2	4.1	4.6	4.7	4.5	4.3	4.2	4.0	4.1	4.2	4.3	4.7	4.1	6.0	4.7	4.1
448	3	F	3.5	4.0	3.7	3.9	4.2	4.2	4.1	4.6	4.7	4.5	4.3	4.2	4.0	4.1	4.2	4.3	4.7	4.1	6.0	4.7	4.1
449	3	F	3.5	4.0	3.7	3.9	4.2	4.2	4.1	4.6	4.7	4.5	4.3	4.2	4.0	4.1	4.2	4.3	4.7	4.1	6.0	4.7	4.1
450	3	F	3.5	4.0	3.7	3.9	4.2	4.2	4.1	4.6	4.7	4.5	4.3	4.2	4.0	4.1	4.2	4.3	4.7	4.1	6.0	4.7	4.1
451	4	M	5.8	5.7	4.6	5.7	5.7	5.9	5.1	5.6	5.7	6.5	6.2	5.8	6.0	5.6	5.8	5.5	5.9	5.8	5.7	5.8	6.9
452	4	M	5.8	5.7	4.6	5.7	5.7	5.9	5.1	5.6	5.7	6.5	6.2	5.8	6.0	5.6	5.8	5.5	5.9	5.8	5.7	5.8	6.9
453	4	M	5.8	5.7	4.6	5.7	5.7	5.9	5.1	5.6	5.7	6.5	6.2	5.8	6.0	5.6	5.8	5.5	5.9	5.8	5.7	5.8	6.9
454	4	M	5.8	5.7	4.6	5.7	5.7	5.9	5.1	5.6	5.7	6.5	6.2	5.8	6.0	5.6	5.8	5.5	5.9	5.8	5.7	5.8	6.9
455	4	M	5.8	5.7	4.6	5.7	5.7	5.9	5.1	5.6	5.7	6.5	6.2	5.8	6.0	5.6	5.8	5.5	5.9	5.8	5.7	5.8	6.9
456	4	M	5.2	4.9	4.4	4.8	4.7	5.0	5.0	4.9	5.1	5.2	4.9	4.9	5.2	5.3	5.4	5.1	5.4	4.8	5.5	5.3	5.1
457	4	M	5.2	4.9	4.4	4.8	4.7	5.0	5.0	4.9	5.1	5.2	4.9	4.9	5.2	5.3	5.4	5.1	5.4	4.8	5.5	5.3	5.1
458	4	M	5.2	4.9	4.4	4.8	4.7	5.0	5.0	4.9	5.1	5.2	4.9	4.9	5.2	5.3	5.4	5.1	5.4	4.8	5.5	5.3	5.1
459	4	M	5.2	4.9	4.4	4.8	4.7	5.0	5.0	4.9	5.1	5.2	4.9	4.9	5.2	5.3	5.4	5.1	5.4	4.8	5.5	5.3	5.1
460	4	M	5.2	4.9	4.4	4.8	4.7	5.0	5.0	4.9	5.1	5.2	4.9	4.9	5.2	5.3	5.4	5.1	5.4	4.8	5.5	5.3	5.1
461	4	M	4.4	4.9	4.2	4.5	4.0	4.3	4.2	4.5	4.4	4.5	4.8	4.8	4.8	4.7	5.0	4.8	4.9	4.7	5.2	4.9	5.0
462	4	M	4.4	4.9	4.2	4.5	4.0	4.3	4.2	4.5	4.4	4.5	4.8	4.8	4.8	4.7	5.0	4.8	4.9	4.7	5.2	4.9	5.0
463	4	M	4.4	4.9	4.2	4.5	4.0	4.3	4.2	4.5	4.4	4.5	4.8	4.8	4.8	4.7	5.0	4.8	4.9	4.7	5.2	4.9	5.0
464	4	M	4.4	4.9	4.2	4.5	4.0	4.3	4.2	4.5	4.4	4.5	4.8	4.8	4.8	4.7	5.0	4.8	4.9	4.7	5.2	4.9	5.0
465	4	M	4.4	4.9	4.2	4.5	4.0	4.3	4.2	4.5	4.4	4.5	4.8	4.8	4.8	4.7	5.0	4.8	4.9	4.7	5.2	4.9	5.0
466	4	M	4.4	5.8	5.0	6.2	6.5	7.1	7.3	6.3	6.9	7.1	6.5	7.7	6.8	6.4	6.6	5.8	6.0	7.1	6.4	6.1	5.8
467	4	M	4.4	5.8	5.0	6.2	6.5	7.1	7.3	6.3	6.9	7.1	6.5	7.7	6.8	6.4	6.6	5.8	6.0	7.1	6.4	6.1	5.8
468	4	M	4.4	5.8	5.0	6.2	6.5	7.1	7.3	6.3	6.9	7.1	6.5	7.7	6.8	6.4	6.6	5.8	6.0	7.1	6.4	6.1	5.8
469	4	M	4.4	5.8	5.0	6.2	6.5	7.1	7.3	6.3	6.9	7.1	6.5	7.7	6.8	6.4	6.6	5.8	6.0	7.1	6.4	6.1	5.8
470	4	M	4.4	5.8	5.0	6.2	6.5	7.1	7.3	6.3	6.9	7.1	6.5	7.7	6.8	6.4	6.6	5.8	6.0	7.1	6.4	6.1	5.8
471	4	M	---	5.9	5.3	5.9	5.2	4.9	5.5	5.7	6.0	6.2	5.7	5.5	5.3	5.1	5.5	5.5	5.5	5.4	5.8	6.9	5.5
472	4	M	---	5.9	5.3	5.9	5.2	4.9	5.5	5.7	6.0	6.2	5.7	5.5	5.3	5.1	5.5	5.5	5.5	5.4	5.8	6.9	5.5
473	4	M	---	5.9	5.3	5.9	5.2	4.9	5.5	5.7	6.0	6.2	5.7	5.5	5.3	5.1	5.5	5.5	5.5	5.4	5.8	6.9	5.5
474	4	M	---	5.9	5.3	5.9	5.2	4.9	5.5	5.7	6.0	6.2	5.7	5.5	5.3	5.1	5.5	5.5	5.5	5.4	5.8	6.9	5.5
475	4	M	---	5.9	5.3	5.9	5.2	4.9	5.5	5.7	6.0	6.2	5.7	5.5	5.3	5.1	5.5	5.5	5.5	5.4	5.8	6.9	5.5
476	4	M	4.4	4.3	3.7	4.3	4.4	4.5	5.5	4.7	5.9	6.0	5.7	4.3	4.2	4.4	4.3	4.9	4.9	4.8	6.7	5.2	4.9
477	4	M	4.4	4.3	3.7	4.3	4.4	4.5	5.5	4.7	5.9	6.0	5.7	4.3	4.2	4.4	4.3	4.9	4.9	4.8	6.7	5.2	4.9
478	4	M	4.4	4.3	3.7	4.3	4.4	4.5	5.5	4.7	5.9	6.0	5.7	4.3	4.2	4.4	4.3	4.9	4.9	4.8	6.7	5.2	4.9
479	4	M	4.4	4.3	3.7	4.3	4.4	4.5	5.5	4.7	5.9	6.0	5.7	4.3	4.2	4.4	4.3	4.9	4.9	4.8	6.7	5.2	4.9
480	4	M	4.4	4.3	3.7	4.3	4.4	4.5	5.5	4.7	5.9	6.0	5.7	4.3	4.2	4.4	4.3	4.9	4.9	4.8	6.7	5.2	4.9

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
481	4	M	4.6	5.1	4.3	5.9	6.5	6.0	5.6	6.2	6.6	6.4	5.6	5.5	5.7	5.9	5.4	5.1	5.4	5.3	5.4	5.6	5.4
482	4	M	4.6	5.1	4.3	5.9	6.5	6.0	5.6	6.2	6.6	6.4	5.6	5.5	5.7	5.9	5.4	5.1	5.4	5.3	5.4	5.6	5.4
483	4	M	4.6	5.1	4.3	5.9	6.5	6.0	5.6	6.2	6.6	6.4	5.6	5.5	5.7	5.9	5.4	5.1	5.4	5.3	5.4	5.6	5.4
484	4	M	4.6	5.1	4.3	5.9	6.5	6.0	5.6	6.2	6.6	6.4	5.6	5.5	5.7	5.9	5.4	5.1	5.4	5.3	5.4	5.6	5.4
485	4	M	4.6	5.1	4.3	5.9	6.5	6.0	5.6	6.2	6.6	6.4	5.6	5.5	5.7	5.9	5.4	5.1	5.4	5.3	5.4	5.6	5.4
486	1	M	5.1	5.6	3.9	4.8	4.3	5.5	5.4	5.1	6.8	5.0	5.7	6.2	5.1	5.2	5.0	6.0	6.2	5.5	6.7	5.8	6.2
487	4	M	5.1	5.6	3.9	4.8	4.3	5.5	5.4	5.1	6.8	5.0	5.7	6.2	5.1	5.2	5.0	6.0	6.2	5.5	6.7	5.8	6.2
488	4	M	5.1	5.6	3.9	4.8	4.3	5.5	5.4	5.1	6.8	5.0	5.7	6.2	5.1	5.2	5.0	6.0	6.2	5.5	6.7	5.8	6.2
489	4	M	5.1	5.6	3.9	4.8	4.3	5.5	5.4	5.1	6.8	5.0	5.7	6.2	5.1	5.2	5.0	6.0	6.2	5.5	6.7	5.8	6.2
490	4	M	5.1	5.6	3.9	4.8	4.3	5.5	5.4	5.1	6.8	5.0	5.7	6.2	5.1	5.2	5.0	6.0	6.2	5.5	6.7	5.8	6.2
491	4	M	4.3	6.3	3.9	4.2	4.2	4.9	6.4	4.9	4.9	4.6	4.7	4.9	5.2	4.7	4.7	4.8	6.0	5.1	5.3	5.5	5.5
492	4	M	4.3	6.3	3.9	4.2	4.2	4.9	6.4	4.9	4.9	4.6	4.7	4.9	5.2	4.7	4.7	4.8	6.0	5.1	5.3	5.5	5.5
493	4	M	4.3	6.3	3.9	4.2	4.2	4.9	6.4	4.9	4.9	4.6	4.7	4.9	5.2	4.7	4.7	4.8	6.0	5.1	5.3	5.5	5.5
494	4	M	4.3	6.3	3.9	4.2	4.2	4.9	6.4	4.9	4.9	4.6	4.7	4.9	5.2	4.7	4.7	4.8	6.0	5.1	5.3	5.5	5.5
495	4	M	4.3	6.3	3.9	4.2	4.2	4.9	6.4	4.9	4.9	4.6	4.7	4.9	5.2	4.7	4.7	4.8	6.0	5.1	5.3	5.5	5.5
496	4	M	6.2	6.6	5.5	6.6	6.4	7.3	5.8	5.8	6.0	6.7	6.9	5.1	5.0	4.8	5.5	5.5	5.5	5.2	5.8	6.6	6.3
497	4	M	6.2	6.6	5.5	6.6	6.4	7.3	5.8	5.8	6.0	6.7	6.9	5.1	5.0	4.8	5.5	5.5	5.5	5.2	5.8	6.6	6.3
498	4	M	6.2	6.6	5.5	6.6	6.4	7.3	5.8	5.8	6.0	6.7	6.9	5.1	5.0	4.8	5.5	5.5	5.5	5.2	5.8	6.6	6.3
499	4	M	6.2	6.6	5.5	6.6	6.4	7.3	5.8	5.8	6.0	6.7	6.9	5.1	5.0	4.8	5.5	5.5	5.5	5.2	5.8	6.6	6.3
500	4	M	6.2	6.6	5.5	6.6	6.4	7.3	5.8	5.8	6.0	6.7	6.9	5.1	5.0	4.8	5.5	5.5	5.5	5.2	5.8	6.6	6.3
501	4	M	5.8	5.4	4.1	4.8	4.8	4.9	5.7	5.5	5.7	5.9	5.3	5.5	5.3	4.8	4.9	4.7	4.9	4.7	6.2	5.7	7.4
502	4	M	5.8	5.4	4.1	4.8	4.8	4.9	5.7	5.5	5.7	5.9	5.3	5.5	5.3	4.8	4.9	4.7	4.9	4.7	6.2	5.7	7.4
503	4	M	5.8	5.4	4.1	4.8	4.8	4.9	5.7	5.5	5.7	5.9	5.3	5.5	5.3	4.8	4.9	4.7	4.9	4.7	6.2	5.7	7.4
504	4	M	5.8	5.4	4.1	4.8	4.8	4.9	5.7	5.5	5.7	5.9	5.3	5.5	5.3	4.8	4.9	4.7	4.9	4.7	6.2	5.7	7.4
505	4	M	5.8	5.4	4.1	4.8	4.8	4.9	5.7	5.5	5.7	5.9	5.3	5.5	5.3	4.8	4.9	4.7	4.9	4.7	6.2	5.7	7.4
506	4	M	4.8	4.6	4.7	5.4	5.3	5.8	5.4	5.4	5.7	6.2	5.4	5.8	5.4	5.1	5.3	5.7	6.0	5.3	5.5	5.5	5.8
507	4	M	4.8	4.6	4.7	5.4	5.3	5.8	5.4	5.4	5.7	6.2	5.4	5.8	5.4	5.1	5.3	5.7	6.0	5.3	5.5	5.5	5.8
508	4	M	4.8	4.6	4.7	5.4	5.3	5.8	5.4	5.4	5.7	6.2	5.4	5.8	5.4	5.1	5.3	5.7	6.0	5.3	5.5	5.5	5.8
509	4	M	4.8	4.6	4.7	5.4	5.3	5.8	5.4	5.4	5.7	6.2	5.4	5.8	5.4	5.1	5.3	5.7	6.0	5.3	5.5	5.5	5.8
510	4	M	4.8	4.6	4.7	5.4	5.3	5.8	5.4	5.4	5.7	6.2	5.4	5.8	5.4	5.1	5.3	5.7	6.0	5.3	5.5	5.5	5.8
511	4	M	4.6	6.1	6.0	5.3	7.1	7.3	6.1	5.7	5.4	6.6	6.4	5.6	5.6	5.8	6.2	5.3	5.8	5.2	5.3	5.8	5.7
512	4	M	4.6	6.1	6.0	5.3	7.1	7.3	6.1	5.7	5.4	6.6	6.4	5.6	5.6	5.8	6.2	5.3	5.8	5.2	5.3	5.8	5.7
513	4	M	4.6	6.1	6.0	5.3	7.1	7.3	6.1	5.7	5.4	6.6	6.4	5.6	5.6	5.8	6.2	5.3	5.8	5.2	5.3	5.8	5.7
514	4	M	4.6	6.1	6.0	5.3	7.1	7.3	6.1	5.7	5.4	6.6	6.4	5.6	5.6	5.8	6.2	5.3	5.8	5.2	5.3	5.8	5.7
515	4	M	4.6	6.1	6.0	5.3	7.1	7.3	6.1	5.7	5.4	6.6	6.4	5.6	5.6	5.8	6.2	5.3	5.8	5.2	5.3	5.8	5.7
516	4	M	4.7	5.4	4.3	5.0	4.7	4.6	5.3	5.1	5.7	5.4	5.2	5.9	5.3	5.5	5.3	5.3	5.6	5.6	5.4	5.5	5.5
517	4	M	4.7	5.4	4.3	5.0	4.7	4.6	5.3	5.1	5.7	5.4	5.2	5.9	5.3	5.5	5.3	5.3	5.6	5.6	5.4	5.5	5.5
518	4	M	4.7	5.4	4.3	5.0	4.7	4.6	5.3	5.1	5.7	5.4	5.2	5.9	5.3	5.5	5.3	5.3	5.6	5.6	5.4	5.5	5.5
519	4	M	4.7	5.4	4.3	5.0	4.7	4.6	5.3	5.1	5.7	5.4	5.2	5.9	5.3	5.5	5.3	5.3	5.6	5.6	5.4	5.5	5.5
520	4	M	4.7	5.4	4.3	5.0	4.7	4.6	5.3	5.1	5.7	5.4	5.2	5.9	5.3	5.5	5.3	5.3	5.6	5.6	5.4	5.5	5.5

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK -2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
521	4	M	4.9	6.7	5.5	5.1	5.1	5.4	5.9	5.9	6.6	6.5	6.1	6.6	6.6	5.9	6.6	5.8	5.4	5.7	5.7	6.0	6.0
522	4	M	4.9	6.7	5.5	5.1	5.1	5.4	5.9	5.9	6.6	6.5	6.1	6.6	6.6	5.9	6.6	5.8	5.4	5.7	5.7	6.0	6.0
523	4	M	4.9	6.7	5.5	5.1	5.1	5.4	5.9	5.9	6.6	6.5	6.1	6.6	6.6	5.9	6.6	5.8	5.4	5.7	5.7	6.0	6.0
524	4	M	4.9	6.7	5.5	5.1	5.1	5.4	5.9	5.9	6.6	6.5	6.1	6.6	6.6	5.9	6.6	5.8	5.4	5.7	5.7	6.0	6.0
525	4	M	4.9	6.7	5.5	5.1	5.1	5.4	5.9	5.9	6.6	6.5	6.1	6.6	6.6	5.9	6.6	5.8	5.4	5.7	5.7	6.0	6.0
526	4	F	4.1	4.1	3.4	4.5	3.2	3.7	3.3	3.6	3.5	3.9	3.9	4.7	4.3	3.9	4.4	4.5	5.2	4.5	5.4	4.8	4.5
527	4	F	4.1	4.1	3.4	4.5	3.2	3.7	3.3	3.6	3.5	3.9	3.9	4.7	4.3	3.9	4.4	4.5	5.2	4.5	5.4	4.8	4.5
528	4	F	4.1	4.1	3.4	4.5	3.2	3.7	3.3	3.6	3.5	3.9	3.9	4.7	4.3	3.9	4.4	4.5	5.2	4.5	5.4	4.8	4.5
529	4	F	4.1	4.1	3.4	4.5	3.2	3.7	3.3	3.6	3.5	3.9	3.9	4.7	4.3	3.9	4.4	4.5	5.2	4.5	5.4	4.8	4.5
530	4	F	4.1	4.1	3.4	4.5	3.2	3.7	3.3	3.6	3.5	3.9	3.9	4.7	4.3	3.9	4.4	4.5	5.2	4.5	5.4	4.8	4.5
531	4	F	3.1	3.9	3.5	5.5	5.1	6.3	5.9	6.8	4.2	5.2	5.5	4.9	4.4	4.7	4.2	6.3	4.8	5.1	5.4	5.3	5.1
532	4	F	3.1	3.9	3.5	5.5	5.1	6.3	5.9	6.8	4.2	5.2	5.5	4.9	4.4	4.7	4.2	6.3	4.8	5.1	5.4	5.3	5.1
533	4	F	3.1	3.9	3.5	5.5	5.1	6.3	5.9	6.8	4.2	5.2	5.5	4.9	4.4	4.7	4.2	6.3	4.8	5.1	5.4	5.3	5.1
534	4	F	3.1	3.9	3.5	5.5	5.1	6.3	5.9	6.8	4.2	5.2	5.5	4.9	4.4	4.7	4.2	6.3	4.8	5.1	5.4	5.3	5.1
535	4	F	3.1	3.9	3.5	5.5	5.1	6.3	5.9	6.8	4.2	5.2	5.5	4.9	4.4	4.7	4.2	6.3	4.8	5.1	5.4	5.3	5.1
536	4	F	3.2	3.6	3.3	4.6	5.6	6.0	5.0	6.1	5.9	6.1	5.9	4.4	5.1	4.3	3.8	4.3	4.2	3.9	4.7	5.2	4.4
537	4	F	3.2	3.6	3.3	4.6	5.6	6.0	5.0	6.1	5.9	6.1	5.9	4.4	5.1	4.3	3.8	4.3	4.2	3.9	4.7	5.2	4.4
538	4	F	3.2	3.6	3.3	4.6	5.6	6.0	5.0	6.1	5.9	6.1	5.9	4.4	5.1	4.3	3.8	4.3	4.2	3.9	4.7	5.2	4.4
539	4	F	3.2	3.6	3.3	4.6	5.6	6.0	5.0	6.1	5.9	6.1	5.9	4.4	5.1	4.3	3.8	4.3	4.2	3.9	4.7	5.2	4.4
540	4	F	3.2	3.6	3.3	4.6	5.6	6.0	5.0	6.1	5.9	6.1	5.9	4.4	5.1	4.3	3.8	4.3	4.2	3.9	4.7	5.2	4.4
541	4	F	3.6	3.4	3.0	4.1	5.1	6.5	4.3	5.2	3.9	6.3	4.1	5.6	5.1	4.0	4.6	4.7	4.7	5.1	6.4	4.6	4.7
542	4	F	3.6	3.4	3.0	4.1	5.1	6.5	4.3	5.2	3.9	6.3	4.1	5.6	5.1	4.0	4.6	4.7	4.7	5.1	6.4	4.6	4.7
543	4	F	3.6	3.4	3.0	4.1	5.1	6.5	4.3	5.2	3.9	6.3	4.1	5.6	5.1	4.0	4.6	4.7	4.7	5.1	6.4	4.6	4.7
544	4	F	3.6	3.4	3.0	4.1	5.1	6.5	4.3	5.2	3.9	6.3	4.1	5.6	5.1	4.0	4.6	4.7	4.7	5.1	6.4	4.6	4.7
545	4	F	3.6	3.4	3.0	4.1	5.1	6.5	4.3	5.2	3.9	6.3	4.1	5.6	5.1	4.0	4.6	4.7	4.7	5.1	6.4	4.6	4.7
546	4	F	3.8	3.5	3.0	4.8	5.4	6.1	5.5	5.1	3.6	4.6	4.2	4.3	4.7	4.4	4.0	4.5	4.0	5.8	5.3	4.7	4.1
547	4	F	3.8	3.5	3.0	4.8	5.4	6.1	5.5	5.1	3.6	4.6	4.2	4.3	4.7	4.4	4.0	4.5	4.0	5.8	5.3	4.7	4.1
548	4	F	3.8	3.5	3.0	4.8	5.4	6.1	5.5	5.1	3.6	4.6	4.2	4.3	4.7	4.4	4.0	4.5	4.0	5.8	5.3	4.7	4.1
549	4	F	3.8	3.5	3.0	4.8	5.4	6.1	5.5	5.1	3.6	4.6	4.2	4.3	4.7	4.4	4.0	4.5	4.0	5.8	5.3	4.7	4.1
550	4	F	3.8	3.5	3.0	4.8	5.4	6.1	5.5	5.1	3.6	4.6	4.2	4.3	4.7	4.4	4.0	4.5	4.0	5.8	5.3	4.7	4.1
551	4	F	4.8	5.6	3.6	3.8	5.1	5.8	6.1	6.4	7.0	6.4	5.0	5.7	6.1	5.1	4.1	5.5	5.6	5.5	5.9	4.7	4.1
552	4	F	4.8	5.6	3.6	3.8	5.1	5.8	6.1	6.4	7.0	6.4	5.0	5.7	6.1	5.1	4.1	5.5	5.6	5.5	5.9	4.7	4.1
553	4	F	4.8	5.6	3.6	3.8	5.1	5.8	6.1	6.4	7.0	6.4	5.0	5.7	6.1	5.1	4.1	5.5	5.6	5.5	5.9	4.7	4.1
554	4	F	4.8	5.6	3.6	3.8	5.1	5.8	6.1	6.4	7.0	6.4	5.0	5.7	6.1	5.1	4.1	5.5	5.6	5.5	5.9	4.7	4.1
555	4	F	4.8	5.6	3.6	3.8	5.1	5.8	6.1	6.4	7.0	6.4	5.0	5.7	6.1	5.1	4.1	5.5	5.6	5.5	5.9	4.7	4.1
556	4	F	4.3	3.3	3.1	4.1	3.9	4.5	3.8	4.0	3.4	3.9	3.6	4.0	4.9	3.4	3.6	3.5	3.5	4.4	4.6	4.1	3.8
557	4	F	4.3	3.3	3.1	4.1	3.9	4.5	3.8	4.0	3.4	3.9	3.6	4.0	4.9	3.4	3.6	3.5	3.5	4.4	4.6	4.1	3.8
558	4	F	4.3	3.3	3.1	4.1	3.9	4.5	3.8	4.0	3.4	3.9	3.6	4.0	4.9	3.4	3.6	3.5	3.5	4.4	4.6	4.1	3.8
559	4	F	4.3	3.3	3.1	4.1	3.9	4.5	3.8	4.0	3.4	3.9	3.6	4.0	4.9	3.4	3.6	3.5	3.5	4.4	4.6	4.1	3.8
560	4	F	4.3	3.3	3.1	4.1	3.9	4.5	3.8	4.0	3.4	3.9	3.6	4.0	4.9	3.4	3.6	3.5	3.5	4.4	4.6	4.1	3.8

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25
561	4	F	4.3	5.1	3.7	6.7	7.0	---	4.2	6.5	4.4	5.0	5.0	5.1	4.3	3.9	4.3	5.5	5.3	4.5	7.1	5.3	5.0
562	4	F	4.3	5.1	3.7	6.7	7.0	---	4.2	6.5	4.4	5.0	5.0	5.1	4.3	3.9	4.3	5.5	5.3	4.5	7.1	5.3	5.0
563	4	F	4.3	5.1	3.7	6.7	7.0	---	4.2	6.5	4.4	5.0	5.0	5.1	4.3	3.9	4.3	5.5	5.3	4.5	7.1	5.3	5.0
564	4	F	4.3	5.1	3.7	6.7	7.0	---	4.2	6.5	4.4	5.0	5.0	5.1	4.3	3.9	4.3	5.5	5.3	4.5	7.1	5.3	5.0
565	4	F	4.3	5.1	3.7	6.7	7.0	---	4.2	6.5	4.4	5.0	5.0	5.1	4.3	3.9	4.3	5.5	5.3	4.5	7.1	5.3	5.0
566	4	F	3.7	3.9	3.7	4.3	3.3	6.5	4.4	5.2	4.3	4.8	5.3	4.8	4.1	4.2	4.8	4.6	4.1	4.0	4.5	5.0	4.5
567	4	F	3.7	3.9	3.7	4.3	3.3	6.5	4.4	5.2	4.3	4.8	5.3	4.8	4.1	4.2	4.8	4.6	4.1	4.0	4.5	5.0	4.5
568	4	F	3.7	3.9	3.7	4.3	3.3	6.5	4.4	5.2	4.3	4.8	5.3	4.8	4.1	4.2	4.8	4.6	4.1	4.0	4.5	5.0	4.5
569	4	F	3.7	3.9	3.7	4.3	3.3	6.5	4.4	5.2	4.3	4.8	5.3	4.8	4.1	4.2	4.8	4.6	4.1	4.0	4.5	5.0	4.5
570	4	F	3.7	3.9	3.7	4.3	3.3	6.5	4.4	5.2	4.3	4.8	5.3	4.8	4.1	4.2	4.8	4.6	4.1	4.0	4.5	5.0	4.5
571	4	F	3.4	3.9	3.6	5.4	5.0	5.7	5.5	4.9	4.3	4.6	4.7	3.7	5.6	4.0	3.6	4.1	4.7	4.2	4.6	4.9	4.5
572	4	F	3.4	3.9	3.6	5.4	5.0	5.7	5.5	4.9	4.3	4.6	4.7	3.7	5.6	4.0	3.6	4.1	4.7	4.2	4.6	4.9	4.5
573	4	F	3.4	3.9	3.6	5.4	5.0	5.7	5.5	4.9	4.3	4.6	4.7	3.7	5.6	4.0	3.6	4.1	4.7	4.2	4.6	4.9	4.5
574	4	F	3.4	3.9	3.6	5.4	5.0	5.7	5.5	4.9	4.3	4.6	4.7	3.7	5.6	4.0	3.6	4.1	4.7	4.2	4.6	4.9	4.5
575	4	F	3.4	3.9	3.6	5.4	5.0	5.7	5.5	4.9	4.3	4.6	4.7	3.7	5.6	4.0	3.6	4.1	4.7	4.2	4.6	4.9	4.5
576	4	F	---	4.8	4.7	5.0	5.1	5.8	5.0	5.1	4.5	5.3	5.5	6.1	4.0	4.0	4.5	4.7	4.5	4.6	6.7	4.9	5.1
577	4	F	---	4.8	4.7	5.0	5.1	5.8	5.0	5.1	4.5	5.3	5.5	6.1	4.0	4.0	4.5	4.7	4.5	4.6	6.7	4.9	5.1
578	4	F	---	4.8	4.7	5.0	5.1	5.8	5.0	5.1	4.5	5.3	5.5	6.1	4.0	4.0	4.5	4.7	4.5	4.6	6.7	4.9	5.1
579	4	F	---	4.8	4.7	5.0	5.1	5.8	5.0	5.1	4.5	5.3	5.5	6.1	4.0	4.0	4.5	4.7	4.5	4.6	6.7	4.9	5.1
580	4	F	---	4.8	4.7	5.0	5.1	5.8	5.0	5.1	4.5	5.3	5.5	6.1	4.0	4.0	4.5	4.7	4.5	4.6	6.7	4.9	5.1
581	4	F	4.2	3.0	3.4	6.5	5.8	7.3	7.2	5.2	5.4	8.3	6.0	4.9	6.0	5.0	3.8	4.5	4.3	5.6	5.7	4.7	3.9
582	4	F	4.2	3.0	3.4	6.5	5.8	7.3	7.2	5.2	5.4	8.3	6.0	4.9	6.0	5.0	3.8	4.5	4.3	5.6	5.7	4.7	3.9
583	4	F	4.2	3.0	3.4	6.5	5.8	7.3	7.2	5.2	5.4	8.3	6.0	4.9	6.0	5.0	3.8	4.5	4.3	5.6	5.7	4.7	3.9
584	4	F	4.2	3.0	3.4	6.5	5.8	7.3	7.2	5.2	5.4	8.3	6.0	4.9	6.0	5.0	3.8	4.5	4.3	5.6	5.7	4.7	3.9
585	4	F	4.2	3.0	3.4	6.5	5.8	7.3	7.2	5.2	5.4	8.3	6.0	4.9	6.0	5.0	3.8	4.5	4.3	5.6	5.7	4.7	3.9
586	4	F	3.2	3.5	2.9	3.7	4.5	4.6	3.7	4.9	4.5	4.5	4.0	4.3	3.8	3.9	3.8	3.9	4.3	4.1	5.5	5.1	4.7
587	4	F	3.2	3.5	2.9	3.7	4.5	4.6	3.7	4.9	4.5	4.5	4.0	4.3	3.8	3.9	3.8	3.9	4.3	4.1	5.5	5.1	4.7
588	4	F	3.2	3.5	2.9	3.7	4.5	4.6	3.7	4.9	4.5	4.5	4.0	4.3	3.8	3.9	3.8	3.9	4.3	4.1	5.5	5.1	4.7
589	4	F	3.2	3.5	2.9	3.7	4.5	4.6	3.7	4.9	4.5	4.5	4.0	4.3	3.8	3.9	3.8	3.9	4.3	4.1	5.5	5.1	4.7
590	4	F	3.2	3.5	2.9	3.7	4.5	4.6	3.7	4.9	4.5	4.5	4.0	4.3	3.8	3.9	3.8	3.9	4.3	4.1	5.5	5.1	4.7
591	4	F	3.5	4.9	4.6	5.3	6.1	5.3	3.9	4.2	6.3	6.1	4.8	4.9	4.1	5.5	3.9	4.2	4.4	4.8	4.7	4.5	4.1
592	4	F	3.5	4.9	4.6	5.3	6.1	5.3	3.9	4.2	6.3	6.1	4.8	4.9	4.1	5.5	3.9	4.2	4.4	4.8	4.7	4.5	4.1
593	4	F	3.5	4.9	4.6	5.3	6.1	5.3	3.9	4.2	6.3	6.1	4.8	4.9	4.1	5.5	3.9	4.2	4.4	4.8	4.7	4.5	4.4
594	4	F	3.5	4.9	4.6	5.3	6.1	5.3	3.9	4.2	6.3	6.1	4.8	4.9	4.1	5.5	3.9	4.2	4.4	4.8	4.7	4.5	4.4
595	4	F	3.5	4.9	4.6	5.3	6.1	5.3	3.9	4.2	6.3	6.1	4.8	4.9	4.1	5.5	3.9	4.2	4.4	4.8	4.7	4.5	4.4
596	4	F	3.9	4.5	3.1	5.4	5.2	6.9	5.9	6.2	4.2	4.5	5.2	5.3	5.4	4.5	4.4	4.5	5.0	4.7	6.4	5.1	5.7
597	4	F	3.9	4.5	3.1	5.4	5.2	6.9	5.9	6.2	4.2	4.5	5.2	5.3	5.4	4.5	4.4	4.5	5.0	4.7	6.4	5.1	5.7
598	4	F	3.9	4.5	3.1	5.4	5.2	6.9	5.9	6.2	4.2	4.5	5.2	5.3	5.4	4.5	4.4	4.5	5.0	4.7	6.4	5.1	5.7
599	4	F	3.9	4.5	3.1	5.4	5.2	6.9	5.9	6.2	4.2	4.5	5.2	5.3	5.4	4.5	4.4	4.5	5.0	4.7	6.4	5.1	5.7
600	4	F	3.9	4.5	3.1	5.4	5.2	6.9	5.9	6.2	4.2	4.5	5.2	5.3	5.4	4.5	4.4	4.5	5.0	4.7	6.4	5.1	5.7

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
1	1	M	5.4	5.4	5.4	5.0	5.0	4.8	5.3	4.5	5.1	5.2	5.2	5.2	5.0	---	---	---	---			
2	1	M	5.4	5.4	5.4	5.0	5.0	4.8	5.3	4.5	5.1	5.2	5.2	5.2	5.0	5.3	5.6	4.9	5.9	5.6	5.4	4.8
3	1	M	5.4	5.4	5.4	5.0	5.0	4.8	5.3	4.5	5.1	5.2	5.2	5.2	5.0	5.3	5.6	4.9	5.9	5.6	5.4	4.8
4	1	M	5.4	5.4	5.4	5.0	5.0	4.8	5.3	4.5	5.1	5.2	5.2	5.2	5.0	---	---	---	---			
5	1	M	5.4	5.4	5.4	5.0	5.0	4.8	5.3	4.5	5.1	5.2	5.2	5.2	5.0	5.3	5.6	4.9	5.9	5.6	5.4	4.8
6	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
7	1	M	6.9	6.0	4.5	4.5	4.6	4.6	4.6	4.0	4.3	4.6	4.1	4.5	4.1	4.5	4.4	4.6	4.6	4.3	4.1	4.3
8	1	M	6.9	6.0	4.5	4.5	4.6	4.6	4.6	4.0	4.3	4.6	4.1	4.5	4.1	4.5	4.4	4.6	4.6	4.3	4.1	4.3
9	1	M	6.9	6.0	4.5	4.5	4.6	4.6	4.6	4.0	4.3	4.6	4.1	4.5	4.1	4.5	4.4	4.6	4.6	4.3	4.1	4.3
10	1	M	6.9	6.0	4.5	4.5	4.6	4.6	4.6	4.0	4.3	4.6	4.1	4.5	4.1	4.5	4.4	4.6	4.6	4.3	4.1	4.3
11	1	M	5.9	5.2	4.9	5.1	4.9	4.7	4.9	4.8	4.7	4.7	4.6	4.9	4.4	4.5	5.2	4.9	5.1	5.0	4.6	4.5
12	1	M	5.9	5.2	4.9	5.1	4.9	4.7	4.9	4.8	4.7	4.7	4.6	4.9	4.4	---	---	---	---			
13	1	M	5.9	5.2	4.9	5.1	4.9	4.7	4.9	4.8	4.7	4.7	4.6	4.9	4.4	4.5	5.2	4.9	5.1	5.0	4.6	4.5
14	1	M	5.9	5.2	4.9	5.1	4.9	4.7	4.9	4.8	4.7	4.7	4.6	4.9	4.4	4.5	5.2	4.9	5.1	5.0	4.6	4.5
15	1	M	5.9	5.2	4.9	5.1	4.9	4.7	4.9	4.8	4.7	4.7	4.6	4.9	4.4	4.5	5.2	4.9	5.1	5.0	4.6	4.5
16	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
17	1	M	6.0	6.1	5.7	5.8	5.1	5.1	5.3	5.0	5.0	5.4	5.1	5.4	5.1	5.1	6.0	5.8	5.6	5.1	[illegible]	4.9
18	1	M	6.0	6.1	5.7	5.8	5.1	5.1	5.3	5.0	5.0	5.4	5.1	5.4	5.1	---	---	---	---			
19	1	M	6.0	6.1	5.7	5.8	5.1	5.1	5.3	5.0	5.0	5.4	5.1	5.4	5.1	5.1	6.0	5.8	5.6	5.1	5.0	4.9
20	1	M	6.0	6.1	5.7	5.8	5.1	5.1	5.3	5.0	5.0	5.4	5.1	5.4	5.1	5.1	6.0	5.8	5.6	5.1	5.0	4.9
21	1	M	5.5	5.9	5.2	4.8	5.4	5.2	4.7	5.0	5.0	5.6	5.0	5.1	4.7	---	---	---	---			
22	1	M	5.5	5.9	5.2	4.8	5.4	5.2	4.7	5.0	5.0	5.6	5.0	5.1	4.7	5.0	4.4	5.0	4.8	4.2	4.7	4.7
23	1	M	5.5	5.9	5.2	4.8	5.4	5.2	4.7	5.0	5.0	5.6	5.0	5.1	4.7	5.0	4.4	5.0	4.8	4.2	4.7	4.7
24	1	M	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
25	1	M	5.5	5.9	5.2	4.8	5.4	5.2	4.7	5.0	5.0	5.6	5.0	5.1	4.7	5.0	4.4	5.0	4.8	4.2	4.7	4.7
26	1	M	5.6	5.6	5.3	6.1	4.5	4.5	4.6	4.9	5.0	4.5	4.4	4.7	4.5	---	---	---	---			
27	1	M	5.6	5.6	5.3	6.1	4.5	4.5	4.6	4.9	5.0	4.5	4.4	4.7	4.5	4.4	5.5	4.6	4.6	4.5	4.7	4.5
28	1	M	5.6	5.6	5.3	6.1	4.5	4.5	4.6	4.9	5.0	4.5	4.4	4.7	4.5	4.4	5.5	4.6	4.6	4.5	4.7	4.5
29	1	M	5.6	5.6	5.3	6.1	4.5	4.5	4.6	4.9	5.0	4.5	4.4	4.7	4.5	4.4	5.5	4.6	4.6	4.5	4.7	4.5
30	1	M	5.6	5.6	5.3	6.1	4.5	4.5	4.6	4.9	5.0	4.5	4.4	4.7	4.5	4.4	5.5	4.6	4.6	4.5	4.7	4.5
31	1	M	[illegible]	4.6	4.4	4.5	4.5	4.3	4.7	4.4	4.5	4.7	4.5	4.8	4.6	4.8	4.2	4.8	4.6	4.6	4.4	4.3
32	1	M	[illegible]	4.6	4.4	4.5	4.5	4.3	4.7	4.4	4.5	4.7	4.5	4.8	4.6	---	---	---	---			
33	1	M	[illegible]	4.6	4.4	4.5	4.5	4.3	4.7	4.4	4.5	4.7	4.5	4.8	4.6	4.8	4.2	4.8	4.6	4.6	4.4	4.3
34	1	M	[illegible]	4.6	4.4	4.5	4.5	4.3	4.7	4.4	4.5	4.7	4.5	4.8	4.6	4.8	4.2	4.8	4.6	4.6	4.4	4.3
35	1	M	[illegible]	4.6	4.4	4.5	4.5	4.3	4.7	4.4	4.5	4.7	4.5	4.8	4.6	4.8	4.2	4.8	4.6	4.6	4.4	4.3
36	1	M	5.6	4.7	5.1	4.8	4.6	4.8	4.5	4.2	4.5	4.4	4.4	4.4	4.2	---	---	---	---			
37	1	M	5.6	4.7	5.1	4.8	4.6	4.8	4.5	4.2	4.5	4.4	4.4	4.4	4.2	4.7	4.6	4.7	4.4	4.6	4.5	4.1
38	1	M	[illegible]	4.7	5.1	4.8	4.6	4.8	4.5	---	---	---	---	---	---	---	---	---	---			
39	1	M	5.6	4.7	5.1	4.8	4.6	4.8	4.5	4.2	4.5	4.4	4.4	4.4	4.2	4.7	4.6	4.7	4.4	4.6	4.5	4.1
40	1	M	5.6	4.7	5.1	4.8	4.6	4.8	4.5	4.2	4.5	4.4	4.4	4.4	4.2	4.7	4.6	4.7	4.4	4.6	[illegible]	4.1

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
41	1	M	6.3	5.5	6.6	5.5	5.9	5.3	5.7	5.4	5.7	5.9	5.8	5.3	5.5	5.9	4.7	6.1	4.6	5.1	4.6	6.4
42	1	M	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	1	M	6.3	5.5	6.6	5.5	5.9	5.3	5.7	5.4	5.7	5.9	5.8	5.3	---	---	---	---	---	---	---	---
44	1	M	6.3	5.5	6.6	5.5	5.9	5.3	5.7	5.4	5.7	5.9	5.8	5.3	5.5	---	---	---	---	---	---	---
45	1	M	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
46	1	M	6.9	6.2	6.4	6.1	5.4	5.1	5.0	4.9	4.8	4.9	5.0	4.8	4.2	4.5	4.7	4.7	4.6	4.5	4.5	4.4
47	1	M	6.9	6.2	6.4	6.1	5.4	5.1	5.0	4.9	4.8	4.9	5.0	4.8	4.2	4.5	4.7	4.7	4.6	4.5	4.5	4.4
48	1	M	6.9	6.2	6.4	6.1	5.4	5.1	5.0	4.9	4.8	4.9	5.0	4.8	4.2	4.5	4.7	4.7	4.6	4.5	4.5	4.4
49	1	M	6.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50	1	M	6.9	6.2	6.4	6.1	5.4	5.1	5.0	4.9	4.8	4.9	5.0	4.8	4.2	---	---	---	---	---	---	---
51	1	M	6.5	6.2	5.8	6.1	5.6	5.1	4.9	4.4	5.2	5.1	5.3	5.1	4.6	4.3	4.7	4.9	4.6	4.5	4.3	4.4
52	1	M	6.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
53	1	M	6.5	6.2	5.8	6.1	5.6	5.1	4.9	4.4	5.2	5.1	5.3	5.1	4.6	4.3	4.7	4.9	4.6	4.5	4.3	4.4
54	1	M	6.5	6.2	5.8	6.1	5.6	5.1	4.9	4.4	5.2	5.1	5.3	5.1	4.6	4.3	4.7	4.9	4.6	4.5	4.3	4.4
55	1	M	6.5	6.2	5.8	6.1	5.6	5.1	4.9	4.4	5.2	5.1	5.3	5.1	4.6	4.3	4.7	4.9	4.6	4.5	4.3	4.4
56	1	M	8.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
57	1	M	8.5	7.6	6.0	6.0	5.5	5.0	5.2	4.5	4.8	5.5	4.9	5.2	4.3	5.0	4.7	5.7	5.0	4.8	6.0	4.7
58	1	M	8.5	7.6	6.0	6.0	5.5	5.0	5.2	4.5	4.8	5.5	4.9	5.2	4.3	5.0	4.7	5.7	5.0	4.8	6.0	4.7
59	1	M	8.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
60	1	M	8.5	7.6	6.0	6.0	5.5	5.0	5.2	4.5	4.8	5.5	4.9	5.2	4.3	5.0	4.7	5.7	5.0	4.8	6.0	4.7
61	1	M	6.9	5.3	5.0	4.7	5.2	4.2	4.7	4.1	4.4	4.2	5.0	4.8	4.5	4.5	4.7	4.8	5.3	5.2	5.0	4.7
62	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
63	1	M	6.9	5.3	5.0	4.7	5.2	4.2	4.7	4.1	4.4	4.2	5.0	4.8	4.5	4.5	4.7	4.8	5.3	5.2	5.0	4.7
64	1	M	6.9	5.3	5.0	4.7	5.2	4.2	4.7	4.1	4.4	4.2	5.0	4.8	4.5	4.5	4.7	4.8	5.3	5.2	5.0	4.7
65	1	M	6.9	5.3	5.0	4.7	5.2	4.2	4.7	4.1	4.4	4.2	5.0	4.8	4.5	4.5	4.7	4.8	5.3	5.2	5.0	4.7
66	1	M	6.9	5.5	5.5	5.4	5.1	4.7	4.9	4.6	4.5	5.1	4.9	4.9	4.8	4.5	4.6	4.8	4.7	4.5	4.7	4.7
67	1	M	6.9	5.5	5.5	5.4	5.1	4.7	4.9	4.6	4.5	5.1	4.9	4.9	4.8	4.5	4.6	4.8	4.7	4.5	4.7	4.7
68	1	M	6.9	5.5	5.5	5.4	5.1	4.7	4.9	4.6	4.5	5.1	4.9	4.9	4.8	4.5	4.6	4.8	4.7	4.5	4.7	4.7
69	1	M	6.9	5.5	5.5	5.4	5.1	4.7	4.9	4.6	4.5	5.1	4.9	4.9	4.8	4.5	4.6	4.8	4.7	4.5	4.7	4.7
70	1	M	6.9	5.5	5.5	5.4	5.1	4.7	4.9	4.6	4.5	5.1	4.9	4.9	4.8	4.5	4.6	4.8	4.7	4.5	4.7	4.7
71	1	M	5.1	4.7	4.6	4.7	4.7	4.8	4.7	4.5	4.8	5.3	5.3	5.3	4.7	4.9	5.2	5.0	4.7	4.6	4.6	4.4
72	1	M	5.1	4.7	4.6	4.7	4.7	4.8	4.7	4.5	4.8	5.3	5.3	5.3	4.7	4.9	5.2	5.0	4.7	4.6	4.6	4.4
73	1	M	5.1	4.7	4.6	4.7	4.7	4.8	4.7	4.5	4.8	5.3	5.3	5.3	4.7	4.9	5.2	5.0	4.7	4.6	4.6	4.4
74	1	M	5.1	4.7	4.6	4.7	4.7	4.8	4.7	4.5	4.8	5.3	5.3	5.3	4.7	4.9	5.2	5.0	4.7	4.6	4.6	4.4
75	1	M	5.1	4.7	4.6	4.7	4.7	4.8	4.7	4.5	4.8	5.3	5.3	5.3	4.7	4.9	5.2	5.0	4.7	4.6	4.6	4.4
76	1	F	4.9	4.4	4.5	4.8	5.3	4.9	4.3	4.3	4.5	4.6	5.0	4.5	4.2	4.1	4.6	4.3	4.2	4.0	4.4	4.0
77	1	F	4.9	4.4	4.5	4.8	5.3	4.9	4.3	4.3	4.5	4.6	5.0	4.5	4.2	4.1	4.6	4.3	4.2	4.0	4.4	4.0
78	1	F	4.9	4.4	4.5	4.8	5.3	4.9	4.3	4.3	4.5	4.6	5.0	4.5	4.2	4.1	4.6	4.3	4.2	4.0	4.4	4.0
79	1	F	4.9	4.4	4.5	4.8	5.3	4.9	4.3	4.3	4.5	4.6	5.0	4.5	4.2	4.1	4.6	4.3	4.2	4.0	4.4	4.0
80	1	F	4.9	4.4	4.5	4.8	5.3	4.9	4.3	4.3	4.5	4.6	5.0	4.5	4.2	4.1	4.6	4.3	4.2	4.0	4.4	4.0

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
81	1	F	4.3	4.0	4.3	4.1	4.4	3.8	4.3	4.0	4.2	3.9	4.4	4.2	3.3	4.0	4.0	4.0	4.2	4.0	3.9	3.9
82	1	F	4.3	4.0	4.3	4.1	4.4	3.8	4.3	4.0	4.2	3.9	4.4	4.2	3.3	4.0	4.0	4.0	4.2	4.0	3.9	3.9
83	1	F	4.3	4.0	4.3	4.1	4.4	3.8	4.3	4.0	4.2	3.9	4.4	4.2	3.3	4.0	4.0	4.0	4.2	4.0	3.9	3.9
84	1	F	4.3	4.0	4.3	4.1	4.4	3.8	4.3	4.0	4.2	3.9	4.4	4.2	3.3	---	---	---	---			
85	1	F	4.3	4.0	4.3	4.1	4.4	3.8	4.3	4.0	4.2	3.9	4.4	4.2	3.3	4.0	4.0	4.0	4.2	4.0	3.9	3.9
86	1	F	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
87	1	F	3.9	4.0	3.9	4.0	6.0	3.6	4.1	3.8	4.4	3.9	3.8	4.2	3.4	4.1	3.9	3.6	3.5	4.2	4.2	4.0
88	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
89	1	F	3.9	4.0	3.9	4.0	6.0	3.6	4.1	3.8	4.4	3.9	3.8	4.2	3.4	4.1	3.9	3.6	3.5	4.2	4.2	4.0
90	1	F	3.9	4.0	3.9	4.0	6.0	3.6	4.1	3.8	4.4	3.9	3.8	4.2	3.4	4.1	3.9	3.6	3.5	4.2	4.2	4.0
91	1	F	4.3	4.0	4.5	4.1	2.9	3.9	4.0	4.0	4.1	3.7	3.9	4.1	3.5	3.9	3.8	3.8	3.8	3.8	3.7	4.0
92	1	F	4.3	4.0	4.5	4.1	2.9	3.9	4.0	4.0	4.1	3.7	3.9	4.1	3.5	3.9	3.8	3.8	3.8	3.8	3.7	4.0
93	1	F	4.3	4.0	4.5	4.1	2.9	3.9	4.0	4.0	4.1	3.7	3.9	4.1	3.5	3.9	3.8	3.8	3.8	3.8	3.7	4.0
94	1	F	4.3	4.0	4.5	4.1	2.9	3.9	4.0	4.0	4.1	3.7	3.9	4.1	3.5	3.9	3.8	3.8	3.8	3.8	3.7	4.0
95	1	F	4.3	4.0	4.5	4.1	2.9	3.9	4.0	4.0	4.1	3.7	3.9	4.1	3.5	3.9	3.8	3.8	3.8	3.8	3.7	4.0
96	1	F	5.0	3.8	4.1	4.4	2.3	3.9	3.9	3.9	4.0	3.9	4.5	4.4	3.5	4.1	3.9	3.8	3.8	4.0	3.7	4.0
97	1	F	5.0	3.8	4.1	4.4	2.3	3.9	3.9	3.9	4.0	3.9	4.5	4.4	3.5	4.1	3.9	3.8	3.8	4.0	3.7	4.0
98	1	F	5.0	3.8	4.1	4.4	2.3	3.9	3.9	3.9	4.0	3.9	4.5	4.4	3.5	4.1	3.9	3.8	3.8	4.0	3.7	4.0
99	1	F	5.0	3.8	4.1	4.4	2.3	3.9	3.9	3.9	4.0	3.9	4.5	4.4	3.5	4.1	3.9	3.8	3.8	4.0	3.7	4.0
100	1	F	5.0	3.8	4.1	4.4	2.3	3.9	3.9	3.9	4.0	3.9	4.5	4.4	3.5	4.1	3.9	3.8	3.8	4.0	3.7	4.0
101	1	F	4.5	3.6	5.3	5.0	7.6	4.4	5.5	4.4	5.3	7.3	6.5	5.2	3.8	4.1	5.0	4.0	5.3	4.4	4.0	3.1
102	1	F	4.5	3.6	5.3	5.0	7.6	4.4	5.5	4.4	5.3	7.3	6.5	5.2	3.8	4.1	5.0	4.0	5.3	4.4	4.0	3.1
103	1	F	4.5	3.6	5.3	5.0	7.6	4.4	5.5	4.4	5.3	7.3	6.5	5.2	3.8	4.1	5.0	4.0	5.3	4.4	4.0	3.1
104	1	F	4.5	---	---	---	---	---	---	---	---	---	---	---	---	---						
105	1	F	4.5	---	---	---	---	---	---	---	---	---	---	---	---	---						
106	1	F	4.1	3.9	4.0	4.1	4.3	3.5	4.0	3.7	4.4	3.7	4.1	4.0	3.9	3.7	4.1	3.7	3.9	3.8	3.9	3.6
107	1	F	4.1	3.9	4.0	4.1	4.3	3.5	4.0	3.7	4.4	3.7	4.1	4.0	3.9	3.7	4.1	3.7	3.9	3.8	3.9	3.6
108	1	F	4.1	3.9	4.0	4.1	4.3	3.5	4.0	3.7	4.4	3.7	4.1	4.0	3.9	3.7	4.1	3.7	3.9	3.8	3.9	3.6
109	1	F	4.1	3.9	4.0	4.1	4.3	3.5	4.0	3.7	4.4	3.7	4.1	4.0	3.9	3.7	4.1	3.7	3.9	3.8	3.9	3.6
110	1	F	4.1	3.9	4.0	4.1	4.3	3.5	4.0	3.7	4.4	3.7	4.1	4.0	3.9	3.7	4.1	3.7	3.9	3.8	3.9	3.6
111	1	F	3.6	3.7	4.1	4.0	3.9	3.5	3.8	4.1	4.1	3.5	3.7	3.8	3.6							
112	1	F	3.6	3.7	4.1	4.0	3.9	3.5	3.8	4.1	4.1	3.5	3.7	3.8	3.6	4.0	4.0	4.0	4.0	4.3	3.6	3.5
113	1	F	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
114	1	F	3.6	3.7	4.1	4.0	3.9	3.5	3.8	4.1	4.1	3.5	3.7	3.8	3.6	4.0	4.0	4.0	4.0	4.3	3.6	3.5
115	1	F	3.6	3.7	4.1	4.0	3.9	3.5	3.8	4.1	4.1	3.5	3.7	3.8	3.6	4.0	4.0	4.0	4.0	4.3	3.6	3.5
116	1	F	3.9	3.8	4.0	4.4	4.6	3.7	3.9	3.6	3.8	3.5	4.3	4.2	3.8	---						
117	1	F	3.9	3.8	4.0	4.4	4.6	3.7	3.9	3.6	3.8	3.5	4.3	4.2	3.8	4.0	4.3	4.3	3.9	4.4	[illegible]	[illegible]
118	1	F	3.9	3.8	4.0	4.4	4.6	3.7	3.9	3.6	3.8	3.5	4.3	4.2	3.8	4.0	4.3	4.3	3.9	4.4	[illegible]	[illegible]
119	1	F	3.9	3.8	4.0	4.4	4.6	3.7	3.9	3.6	3.8	3.5	4.3	4.2	3.8	4.0	4.3	4.3	3.9	4.4	[illegible]	[illegible]
120	1	F	3.9	---	---	---	---	---	---	---	---	---	---									

Column headings 27–65: TEST WEEK

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
121	1	F	3.9	3.8	3.5	3.9	3.1	4.2	3.5	3.8	3.7	3.9	4.2	4.2	3.9	---	---	---	---	---		---
122	1	F	3.9	3.8	3.5	3.9	3.1	4.2	3.5	3.8	3.7	3.9	4.2	4.2	3.9	5.9	5.6	4.9	5.6	5.7	5.4	4.6
123	1	F	3.9	3.8	3.5	3.9	3.1	4.2	3.5	3.8	3.7	3.9	4.2	4.2	3.9	---	---	---	---	---		---
124	1	F	3.9	3.8	3.5	3.9	3.1	4.2	3.5	3.8	3.7	3.9	4.2	4.2	3.9	---	---	---	---	---		
125	1	F	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
126	1	F	3.5	3.5	3.6	3.7	3.4	3.4	3.6	3.3	3.8	3.3	3.7	3.5	3.3	---	---	---	---	---	---	---
127	1	F	3.5	3.5	3.6	3.7	3.4	3.4	3.6	3.3	3.8	3.3	3.7	3.5	3.3	3.8	3.7	3.6	3.4	3.5	3.8	3.4
128	1	F	3.5	3.5	3.6	3.7	3.4	3.4	3.6	3.3	3.8	3.3	3.7	3.5	3.3	3.8	3.7	3.6	3.4	3.5	3.8	3.4
129	1	F	3.5	3.5	3.6	3.7	3.4	3.4	3.6	3.3	3.8	3.3	3.7	3.5	3.3	3.8	3.7	3.6	3.4	3.5	3.8	3.4
130	1	F	3.5	3.5	3.6	3.7	3.4	3.4	3.6	3.3	3.8	3.3	3.7	3.5	3.3	3.8	3.7	3.6	3.4	3.5	3.8	3.4
131	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
132	1	F	4.5	3.7	5.0	4.2	4.0	3.9	4.5	3.9	4.2	3.6	4.2	4.3	3.7	3.9	3.9	4.1	3.9	4.0	3.7	3.8
133	1	F	4.5	3.7	5.0	4.2	4.0	3.9	4.5	3.9	4.2	3.6	4.2	4.3	3.7	3.9	3.9	4.1	3.9	4.0	3.7	3.8
134	1	F	4.5	3.7	5.0	4.2	4.0	3.9	4.5	3.9	4.2	3.6	4.2	4.3	3.7	3.9	3.9	4.1	3.9	4.0	3.7	3.8
135	1	F	4.5	3.7	5.0	4.2	4.0	3.9	4.5	3.9	4.2	3.6	4.2	4.3	3.7	3.9	3.9	4.1	3.9	4.0	3.7	3.8
136	1	F	4.1	3.9	5.0	4.1	4.1	4.1	4.4	4.1	4.2	3.9	4.0	4.2	4.0	4.4	4.8	4.3	4.0	3.7	4.3	4.3
137	1	F	4.1	3.9	5.0	4.1	4.1	4.1	4.4	4.1	4.2	3.9	4.0	4.2	4.0	4.4	4.8	4.3	4.0	3.7	4.3	4.3
138	1	F	4.1	3.9	5.0	4.1	4.1	4.1	4.4	4.1	4.2	3.9	4.0	4.2	4.0	---	---	---	---	---		
139	1	F	4.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
140	1	F	4.1	3.9	5.0	4.1	4.1	4.1	4.4	4.1	4.2	3.9	4.0	4.2	4.0	4.4	4.8	4.3	4.0	3.7	4.3	4.3
141	1	F	5.9	4.8	5.0	4.6	4.5	4.0	5.0	4.6	4.5	4.4	4.3	4.0	3.9	4.7	4.4	5.1	4.6	4.1	4.1	4.1
142	1	F	5.9	4.8	5.0	4.6	4.5	4.0	5.0	4.6	4.5	4.4	4.3	4.0	3.9	---	---	---	---	---	---	---
143	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
144	1	F	5.9	4.8	5.0	4.6	4.5	4.0	5.0	4.6	4.5	4.4	4.3	4.0	3.9	4.7	4.4	5.1	4.6	4.1	4.1	4.1
145	1	F	5.9	4.8	5.0	4.6	4.5	4.0	5.0	4.6	4.5	4.4	4.3	4.0	3.9	---	---	---	---	---	---	---
146	1	F	4.0	3.9	3.1	3.9	3.7	3.5	3.8	3.7	4.0	3.8	4.0	3.8	4.0	4.1	3.9	4.2	3.9	4.1	3.4	3.8
147	1	F	4.0	3.9	3.1	3.9	3.7	3.5	3.8	3.7	4.0	3.8	4.0	3.8	4.0	4.1	3.9	4.2	3.9	4.1	3.4	3.8
148	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
149	1	F	4.0	3.9	3.1	3.9	3.7	3.5	3.8	3.7	4.0	3.8	4.0	3.8	4.0	4.1	3.9	4.2	3.9	4.1	3.4	3.8
150	1	F	4.0	3.9	3.1	3.9	3.7	3.5	3.8	3.7	4.0	3.8	4.0	3.8	4.0	4.1	3.9	4.2	3.9	4.1	3.4	3.8
151	2	M	5.1	4.5	4.3	4.6	4.4	4.3	4.1	4.1	4.3	4.3	7.5	4.7	4.3	4.5	4.5	4.6	4.5	4.8	4.5	4.5
152	2	M	5.1	4.5	4.3	4.6	4.4	4.3	4.1	4.1	4.3	4.3	7.5	4.7	4.3	4.5	4.5	4.6	4.5	4.8	4.5	4.5
153	2	M	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
154	2	M	5.1	4.5	4.3	4.6	4.4	4.3	4.1	4.1	4.3	4.3	7.5	4.7	4.3	4.5	4.5	4.6	4.5	4.8	4.5	4.5
155	2	M	5.1	4.5	4.3	4.6	4.4	4.3	4.1	4.1	4.3	4.3	7.5	4.7	4.3	4.5	4.5	4.6	4.5	4.8	4.5	4.5
156	2	M	4.5	4.9	5.2	4.9	4.6	4.3	4.4	4.2	4.6	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.1	4.5	4.4	5.0
157	2	M	4.5	4.9	5.2	4.9	4.6	4.3	4.4	4.2	4.6	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.1	4.5	4.4	5.0
158	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
159	2	M	4.5	4.9	5.2	4.9	4.6	4.3	4.4	4.2	4.6	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.1	4.5	4.4	5.0
160	2	M	4.5	4.9	5.2	4.9	4.6	4.3	4.4	4.2	4.6	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.1	4.5	4.4	5.0

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO	TRT GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
161	2	M	6.8	4.7	4.4	4.7	4.4	4.2	4.2	4.3	4.3	4.3	4.1	4.7	4.3	4.4	4.3	4.6	5.0	4.5	4.2	3.9
162	2	M	6.8	4.7	4.4	4.7	4.4	4.2	4.2	4.3	4.3	4.3	4.1	4.7	4.3	4.4	4.3	4.6	5.0	4.5	4.2	3.9
163	2	M	6.8	4.7	4.4	4.7	4.4	4.2	4.2	4.3	4.3	4.3	4.1	4.7	4.3	4.4	4.3	4.6	5.0	4.5	4.2	3.9
164	2	M	6.8	4.7	4.4	4.7	4.4	4.2	4.2	4.3	4.3	4.3	4.1	4.7	4.3	4.4	4.3	4.6	5.0	4.5	4.2	3.9
165	2	M	6.8	4.7	4.4	4.7	4.4	4.2	4.2	4.3	4.3	4.3	4.1	4.7	4.3	4.4	4.3	4.6	5.0	4.5	4.2	3.9
166	2	M	5.0	4.5	4.0	4.4	4.6	4.5	4.2	4.6	4.6	4.1	4.5	5.1	5.1	4.6	4.4	4.4	4.1	4.6	4.3	4.3
167	2	M	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
168	2	M	5.0	4.5	4.0	4.4	4.6	4.5	4.2	4.6	4.6	4.1	4.5	5.1	5.1	4.6	4.4	4.4	4.1	4.6	4.3	4.3
169	2	M	5.0	4.5	4.0	4.4	4.6	4.5	4.2	4.6	4.6	4.1	4.5	5.1	5.1	4.6	4.4	4.4	4.1	4.6	4.3	4.3
170	2	M	5.0	4.5	4.0	4.4	4.6	4.5	4.2	4.6	4.6	4.1	4.5	5.1	5.1	---	---	---	---	---	---	---
171	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
172	2	M	4.5	6.9	4.3	5.4	4.6	4.8	4.7	4.4	4.6	5.6	4.7	5.4	5.5	4.5	4.4	4.4	4.3	4.2	4.1	4.1
173	2	M	4.5	6.9	4.3	5.4	4.6	4.8	4.7	4.4	4.6	5.6	4.7	5.4	5.5	---	---	---	---	---	---	---
174	2	M	4.5	6.9	4.3	5.4	4.6	4.8	4.7	4.4	4.6	5.6	4.7	5.4	5.5	4.5	4.4	4.4	4.3	4.2	4.1	4.1
175	2	M	4.5	6.9	4.3	5.4	4.6	4.8	4.7	4.4	4.6	5.6	4.7	5.4	5.5	---	---	---	---	---	---	---
176	2	M	4.8	4.5	4.7	5.0	4.7	4.7	4.6	5.0	5.3	5.2	5.3	5.0	4.6	4.7	4.9	4.6	4.6	4.4	4.3	4.3
177	2	M	4.8	4.5	4.7	5.0	4.7	4.7	4.6	5.0	5.3	5.2	5.3	5.0	4.6	4.7	4.9	4.6	4.6	4.4	4.3	4.3
178	2	M	4.8	4.5	4.7	5.0	4.7	4.7	4.6	5.0	5.3	5.2	5.3	5.0	4.6	4.7	4.9	4.6	4.6	4.4	4.3	4.3
179	2	M	4.8	4.5	4.7	5.0	4.7	4.7	4.6	5.0	5.3	5.2	5.3	5.0	4.6	4.7	4.9	4.6	4.6	4.4	4.3	4.3
180	2	M	4.8	4.5	4.7	5.0	4.7	4.7	4.6	5.0	5.3	5.2	5.3	5.0	4.6	4.7	4.9	4.6	4.6	4.4	4.3	4.3
181	2	M	5.4	5.3	5.1	4.8	4.8	4.5	4.7	4.6	4.5	4.5	4.5	4.6	4.6	4.9	4.9	5.0	4.7	4.8	4.8	4.2
182	2	M	5.4	5.3	5.1	4.8	4.8	4.5	4.7	4.6	4.5	4.5	4.5	4.6	4.6	4.9	4.9	5.0	4.7	4.8	4.8	4.2
183	2	M	5.4	5.3	5.1	4.8	4.8	4.5	4.7	4.6	4.5	4.5	4.5	4.6	4.6	---	---	---	---	---	---	---
184	2	M	5.4	5.3	5.1	4.8	4.8	4.5	4.7	4.6	4.5	4.5	4.5	4.6	4.6	4.9	4.9	5.0	4.7	4.8	4.8	4.2
185	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
186	2	M	4.6	4.9	4.7	4.5	5.0	4.5	4.5	4.4	4.7	4.4	4.4	---	4.6	4.6	4.4	4.6	4.4	4.5	4.3	4.8
187	2	M	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
188	2	M	4.6	4.9	4.7	4.5	5.0	4.5	4.5	4.4	4.7	4.4	4.4	---	4.6	---	---	---	---	---	---	---
189	2	M	4.6	4.9	4.7	4.5	5.0	4.5	4.5	4.4	4.7	4.4	4.4	---	4.6	4.6	4.4	4.6	4.4	4.5	4.3	4.8
190	2	M	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
191	2	M	6.1	6.8	6.0	5.4	5.0	5.4	4.9	4.8	5.1	5.3	5.9	5.1	4.7	4.8	4.7	4.9	5.9	7.1	7.5	4.6
192	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
193	2	M	6.1	6.8	6.0	5.4	5.0	5.4	4.9	4.8	5.1	5.3	5.9	5.1	4.7	4.8	4.7	4.9	5.9	7.1	7.5	4.6
194	2	M	6.1	6.8	6.0	5.4	5.0	5.4	4.9	4.8	5.1	5.3	5.9	5.1	4.7	4.8	4.7	4.9	5.9	7.1	7.5	4.6
195	2	M	6.1	6.8	6.0	5.4	5.0	5.4	4.9	4.8	5.1	5.3	5.9	5.1	4.7	4.8	4.7	4.9	5.9	7.1	7.5	4.6
196	2	M	5.4	5.3	5.1	5.0	5.1	4.7	4.7	4.6	5.0	4.8	5.1	4.9	5.2	---	---	---	---	---	---	---
197	2	M	5.4	5.3	5.1	5.0	5.1	4.7	4.7	4.6	5.0	4.8	5.1	4.9	5.2	4.6	4.4	4.7	4.4	4.4	4.4	4.8
198	2	M	5.4	5.3	5.1	5.0	5.1	4.7	4.7	4.6	5.0	4.8	5.1	4.9	5.2	---	---	---	---	---	---	---
199	2	M	5.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
200	2	M	5.4	5.3	5.1	5.0	5.1	4.7	4.7	4.6	5.0	4.8	5.1	4.9	5.2	4.6	4.4	4.7	4.4	4.4	4.4	4.8

--- = NO AVAILABLE DATA

Table VII.3 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO.	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
201	2	M	4.8	4.6	4.7	4.6	4.9	4.9	4.6	5.0	4.7	5.1	4.4	4.4	5.0	---	---	---	---	---	---	---
202	2	M	4.8	4.6	4.7	4.6	4.9	4.9	4.6	5.0	4.7	5.1	4.4	4.4	5.0	---	---	---	---	---	---	---
203	2	M	4.8	4.6	4.7	4.6	4.9	4.9	4.6	5.0	4.7	5.1	4.4	4.4	5.0	4.9	4.3	3.9	5.1	4.1	4.5	4.5
204	2	M	4.8	4.6	4.7	4.6	4.9	4.9	4.6	5.0	4.7	5.1	4.4	---	---	---	---	---	---	---	---	---
205	2	M	4.8	4.6	4.7	4.6	4.9	4.9	4.6	5.0	4.7	5.1	4.4	4.4	5.0	4.9	4.3	3.9	5.1	4.1	4.5	4.5
206	2	M	4.6	4.3	4.3	4.6	4.4	4.4	4.1	3.4	4.6	4.9	5.9	5.4	4.8	4.8	4.8	4.7	4.7	4.5	4.6	4.9
207	2	M	4.6	4.3	4.3	4.6	4.4	4.4	4.1	3.4	4.6	4.9	5.9	5.4	4.8	4.8	4.8	4.7	4.7	4.5	4.6	4.9
208	2	M	4.6	4.3	4.3	4.6	4.4	4.4	4.1	3.4	4.6	4.9	5.9	5.4	4.8	4.8	4.8	4.7	4.7	4.5	4.6	4.9
209	2	M	4.6	4.3	4.3	4.6	4.4	4.4	4.1	3.4	4.6	---	---	---	---	---	---	---	---	---	---	---
210	2	M	4.6	4.3	4.3	4.6	4.4	4.4	4.1	3.4	4.6	4.9	5.9	5.4	4.8	4.8	4.8	4.7	4.7	4.5	4.6	4.9
211	2	M	5.8	6.0	6.1	6.6	5.9	5.1	5.4	5.4	5.2	5.2	6.6	6.0	4.9	5.0	5.2	5.2	5.3	5.0	4.7	4.2
212	2	M	5.8	6.0	6.1	6.6	5.9	5.1	5.4	5.4	5.2	5.2	6.6	6.0	4.9	5.0	5.2	5.2	5.3	5.0	4.7	4.2
213	2	M	5.8	6.0	6.1	6.6	5.9	5.1	5.4	5.4	5.2	5.2	6.6	6.0	4.9	---	---	---	---	---	---	---
214	2	M	5.8	6.0	6.1	6.6	5.9	5.1	5.4	5.4	5.2	5.2	6.6	6.0	4.9	5.0	5.2	5.2	5.3	5.0	4.7	4.2
215	2	M	5.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
216	2	M	4.7	4.7	4.5	4.2	4.7	4.2	4.2	4.2	4.9	4.6	4.6	4.7	5.5	4.9	4.7	4.7	4.7	4.7	4.4	4.4
217	2	M	4.7	4.7	4.5	4.2	4.7	4.2	4.2	4.2	4.9	4.6	4.6	4.7	5.5	4.9	4.7	4.7	4.7	4.7	4.4	4.4
218	2	M	4.7	4.7	4.5	4.2	4.7	4.2	4.2	4.2	4.9	4.6	4.6	4.7	5.5	4.9	4.7	4.7	4.7	4.7	4.4	4.4
219	2	M	4.7	4.7	4.5	4.2	4.7	4.2	4.2	4.2	4.9	4.6	4.6	4.7	5.5	4.9	4.7	4.7	4.7	4.7	4.4	4.4
220	2	M	4.7	4.7	4.5	4.2	4.7	4.2	4.2	4.2	4.9	4.6	4.6	4.7	5.5	4.9	4.7	4.7	4.7	4.7	4.4	4.4
221	2	M	4.6	4.6	4.4	4.3	4.1	4.2	4.2	4.0	4.5	4.5	4.5	4.3	4.1	4.6	4.5	4.6	4.3	4.2	4.3	4.0
222	2	M	4.6	4.6	4.4	4.3	4.1	4.2	4.2	4.0	4.5	4.5	4.5	4.3	4.1	4.6	4.5	4.6	4.3	4.2	4.3	4.0
223	2	M	4.6	4.6	4.4	4.3	4.1	4.2	4.2	4.0	4.5	4.5	4.5	4.3	4.1	4.6	4.5	4.6	4.3	4.2	4.3	4.0
224	2	M	4.6	4.6	4.4	4.3	4.1	4.2	4.2	4.0	4.5	4.5	4.5	4.3	4.1	4.6	4.5	4.6	4.3	4.2	4.3	4.0
225	2	M	4.6	4.6	4.4	4.3	4.1	4.2	4.2	4.0	4.5	4.5	4.5	4.3	4.1	4.6	4.5	4.6	4.3	4.2	4.3	4.0
226	2	F	3.9	3.2	3.8	3.7	2.8	3.4	3.3	3.9	3.7	3.5	4.1	4.0	3.7	3.9	4.0	4.4	3.7	4.2	3.7	3.7
227	2	F	3.9	3.2	3.8	3.7	2.8	3.4	3.3	3.9	3.7	3.5	4.1	4.0	3.7	3.9	4.0	4.4	3.7	4.2	3.7	3.7
228	2	F	3.9	3.2	3.8	3.7	2.8	3.4	3.3	3.9	3.7	3.5	4.1	4.0	3.7	3.9	4.0	4.4	3.7	4.2	3.7	3.7
229	2	F	3.9	3.2	3.8	3.7	2.8	3.4	3.3	3.9	3.7	3.5	4.1	4.0	3.7	3.9	4.0	4.4	3.7	4.2	3.7	3.7
230	2	F	3.9	3.2	3.8	3.7	2.8	3.4	3.3	3.9	3.7	3.5	4.1	4.0	3.7	3.9	4.0	4.4	3.7	4.2	3.7	3.7
231	2	F	4.3	5.0	4.2	3.5	3.5	3.5	3.1	3.7	4.0	3.3	3.9	3.9	3.7	3.9	3.9	4.5	4.0	4.3	4.0	3.7
232	2	F	4.3	5.0	4.2	3.5	3.5	3.5	3.1	3.7	4.0	3.3	3.9	3.9	3.7	---	---	---	---	---	---	---
233	2	F	4.3	5.0	4.2	3.5	3.5	3.5	3.1	3.7	4.0	3.3	3.9	3.9	3.7	---	---	---	---	---	---	---
234	2	F	4.3	5.0	4.2	3.5	3.5	3.5	3.1	3.7	4.0	3.3	3.9	3.9	3.7	3.9	3.9	4.5	4.0	4.3	4.0	3.7
235	2	F	4.3	5.0	4.2	3.5	3.5	3.5	3.1	3.7	4.0	3.3	3.9	3.9	3.7	3.9	3.9	4.5	4.0	4.3	4.0	3.7
236	2	F	5.1	3.6	4.2	3.8	3.8	3.3	3.4	3.9	3.8	3.8	3.3	4.1	3.4	4.1	4.1	3.9	4.1	4.2	3.9	3.8
237	2	F	5.1	3.6	4.2	3.8	3.8	3.3	3.4	3.9	3.8	3.8	3.3	4.1	3.4	4.1	4.1	3.9	4.1	4.2	3.9	3.8
238	2	F	5.1	3.6	4.2	3.8	3.8	3.3	3.4	3.9	3.8	3.8	3.3	4.1	3.4	4.1	4.1	3.9	4.1	4.2	3.9	3.8
239	2	F	5.1	3.6	4.2	3.8	3.8	3.3	3.4	3.9	3.8	3.8	3.3	4.1	3.4	4.1	4.1	3.9	4.1	4.2	3.9	3.8
240	2	F	5.1	3.6	4.2	3.8	3.8	3.3	3.4	3.9	3.8	3.8	3.3	4.1	3.4	4.1	4.1	3.9	4.1	4.2	3.9	3.8

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
241	2	F	4.5	3.9	3.9	3.7	3.2	3.8	3.5	3.5	3.5	3.8	3.9	3.5	3.6	3.6	3.8	4.2	3.5	3.9	3.5	3.5
242	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
243	2	F	4.5	3.9	3.9	3.7	3.2	3.8	3.5	3.5	3.5	3.8	3.9	3.5	3.6	3.6	3.8	4.2	3.5	3.9	3.5	3.5
244	2	F	4.5	3.9	3.9	3.7	3.2	3.8	3.5	3.5	3.5	3.8	3.9	3.5	3.6	3.6	3.8	4.2	3.5	3.9	3.5	3.5
245	2	F	4.5	3.9	3.9	3.7	3.2	3.8	3.5	3.5	3.5	3.8	3.9	3.5	3.6	3.6	3.8	4.2	3.5	3.9	3.5	3.5
246	2	F	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
247	2	F	4.2	3.8	4.2	3.8	3.7	4.1	3.6	4.2	3.4	3.8	3.5	3.9	3.9	3.9	4.0	4.3	3.8	4.1	4.1	4.0
248	2	F	4.2	3.8	4.2	3.8	3.7	4.1	3.6	4.2	3.4	3.8	3.5	3.9	3.9	3.9	4.0	4.3	3.8	4.1	4.1	4.0
249	2	F	4.2	3.8	4.2	3.8	3.7	4.1	3.6	4.2	3.4	3.8	3.5	3.9	3.9	3.9	4.0	4.3	3.8	4.1	4.1	4.0
250	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
251	2	F	4.5	3.3	3.0	3.5	2.9	3.1	3.7	3.4	3.8	3.7	3.4	3.7	3.4	4.0	3.9	4.1	4.1	3.9	3.6	3.9
252	2	F	4.5	3.3	3.0	3.5	2.9	3.1	3.7	3.4	3.8	3.7	3.4	3.7	3.4	4.0	3.9	4.1	4.1	3.9	3.6	3.9
253	2	F	4.5	3.3	3.0	3.5	2.9	3.1	3.7	3.4	3.8	3.7	3.4	3.7	3.4	4.0	3.9	4.1	4.1	3.9	3.6	3.9
254	2	F	4.5	3.3	3.0	3.5	2.9	3.1	3.7	3.4	3.8	3.7	3.4	3.7	3.4	---	---	---	---	---	---	---
255	2	F	4.5	3.3	3.0	3.5	2.9	3.1	3.7	3.4	3.8	3.7	3.4	3.7	3.4	4.0	3.9	4.1	4.1	3.9	3.6	3.9
256	2	F	4.1	3.7	3.8	3.6	3.7	3.7	3.3	3.7	3.9	3.5	4.3	4.5	3.7	4.1	4.9	4.5	4.5	4.2	4.9	4.0
257	2	F	4.1	3.7	3.8	3.6	3.7	3.7	3.3	3.7	3.9	3.5	4.3	4.5	3.7	---	---	---	---	---	---	---
258	2	F	4.1	3.7	3.8	3.6	3.7	3.7	3.3	3.7	3.9	3.5	4.3	4.5	3.7	4.1	4.9	4.5	4.5	4.2	4.9	4.0
259	2	F	4.1	3.7	3.8	3.6	3.7	3.7	3.3	3.7	3.9	3.5	4.3	4.5	3.7	4.1	4.9	4.5	4.5	4.2	4.9	4.0
260	2	F	4.1	3.7	3.8	3.6	3.7	3.7	3.3	3.7	3.9	3.5	4.3	4.5	3.7	4.1	4.9	4.5	4.5	4.2	4.9	4.0
261	2	F	5.3	4.4	5.4	5.6	4.4	4.3	4.1	4.7	4.8	4.0	4.9	4.8	3.9	3.9	4.2	4.8	4.2	4.9	3.8	4.0
262	2	F	5.3	4.4	5.4	5.6	4.4	4.3	4.1	4.7	4.8	4.0	4.9	4.8	3.9	3.9	4.2	4.8	4.2	4.9	3.8	4.0
263	2	F	5.3	4.4	5.4	5.6	4.4	4.3	4.1	4.7	4.8	4.0	4.9	4.8	3.9	---	---	---	---	---	---	---
264	2	F	5.3	4.4	5.4	5.6	4.4	4.3	4.1	4.7	4.8	4.0	4.9	4.8	3.9	3.9	4.2	4.8	4.2	4.9	3.8	4.0
265	2	F	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
266	2	F	4.2	4.1	4.6	3.7	3.7	3.8	3.8	3.9	4.4	3.6	4.0	4.1	3.9	4.1	4.5	4.8	4.2	4.4	4.3	4.3
267	2	F	4.2	4.1	4.6	3.7	3.7	3.8	3.8	3.9	4.4	3.6	4.0	4.1	3.9	---	---	---	---	---	---	---
268	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
269	2	F	4.2	4.1	4.6	3.7	3.7	3.8	3.8	3.9	4.4	3.6	4.0	4.1	3.9	4.1	4.5	4.8	4.2	4.4	4.3	4.3
270	2	F	4.2	4.1	4.6	3.7	3.7	3.8	3.8	3.9	4.4	3.6	4.0	4.1	3.9	4.1	4.5	4.8	4.2	4.4	4.3	4.3
271	2	F	3.9	3.8	3.9	3.6	3.7	3.5	3.8	3.9	4.0	4.0	4.0	4.1	3.6	4.1	4.6	4.4	4.2	4.8	4.3	4.1
272	2	F	3.9	3.8	3.9	3.6	3.7	3.5	3.8	3.9	4.0	4.0	4.0	4.1	3.6	---	---	---	---	---	---	---
273	2	F	3.9	3.8	3.9	3.6	3.7	3.5	3.8	3.9	4.0	4.0	4.0	4.1	3.6	4.1	4.6	4.4	4.2	4.8	4.3	4.1
274	2	F	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
275	2	F	3.9	3.8	3.9	3.6	3.7	3.5	3.8	3.9	4.0	4.0	4.0	4.1	3.6	---	---	---	---	---	---	---
276	2	F	5.5	3.6	4.0	3.7	3.8	3.3	3.8	3.4	4.2	3.6	3.9	4.4	4.2	4.3	4.3	4.3	4.2	4.6	4.0	4.0
277	2	F	5.5	3.6	4.0	3.7	3.8	3.3	3.8	3.4	4.2	3.6	3.9	4.4	4.2	4.3	4.3	4.3	4.2	4.6	4.0	4.0
278	2	F	5.5	3.6	4.0	3.7	3.8	3.3	3.8	3.4	4.2	3.6	3.9	4.4	4.2	4.3	4.3	4.3	4.2	4.6	4.0	4.0
279	2	F	5.5	3.6	4.0	3.7	3.8	3.3	3.8	3.4	4.2	3.6	3.9	4.4	4.2	4.3	4.3	4.3	4.2	4.6	4.0	4.0
280	2	F	5.5	3.6	4.0	3.7	3.8	3.3	3.8	3.4	4.2	3.6	3.9	4.4	4.2	4.3	4.3	4.3	4.2	4.6	4.0	4.0

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO.	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
281	2	F	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
282	2	F	4.2	4.4	5.7	5.2	4.4	4.8	4.1	5.6	5.9	4.1	6.2	5.8	4.4	6.7	8.6	7.9	7.3	5.7	8.0	7.0
283	2	F	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
284	2	F	4.2	4.4	5.7	5.2	4.4	4.8	4.1	5.6	5.9	4.1	6.2	5.8	4.4	---	---	---	---	---	---	---
285	2	F	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
286	2	F	4.2	4.0	3.6	3.9	3.8	3.9	4.1	3.6	4.6	4.4	4.5	4.0	3.7	3.9	---	---	---	---	---	---
287	2	F	4.2	4.0	3.6	3.9	3.8	3.9	4.1	3.6	4.6	4.4	4.5	4.0	3.7	3.9	4.7	4.8	4.3	4.8	4.1	4.2
288	2	F	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
289	2	F	4.2	4.0	3.6	3.9	3.8	3.9	4.1	3.6	4.6	4.4	4.5	4.0	3.7	3.9	4.7	4.8	4.3	4.8	4.1	4.2
290	2	F	4.2	4.0	3.6	3.9	3.8	3.9	4.1	3.6	4.6	4.4	4.5	4.0	3.7	3.9	4.7	4.8	4.3	4.8	4.1	4.2
291	2	F	4.2	3.8	4.0	3.5	3.5	3.5	3.5	3.7	3.7	3.3	4.3	3.8	3.5	3.9	3.8	4.2	3.6	4.3	3.5	3.8
292	2	F	4.2	3.8	4.0	3.5	3.5	3.5	3.5	3.7	3.7	3.3	4.3	3.8	3.5	3.9	3.8	4.2	3.6	4.3	3.5	3.8
293	2	F	4.2	3.8	4.0	3.5	3.5	3.5	3.5	3.7	3.7	3.3	4.3	3.8	3.5	3.9	3.8	4.2	3.6	4.3	3.5	3.8
294	2	F	4.2	3.8	4.0	3.5	3.5	3.5	3.5	3.7	3.7	3.3	4.3	3.8	3.5	3.9	3.8	4.2	3.6	4.3	3.5	3.8
295	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
296	2	F	3.6	3.3	3.6	3.8	3.7	3.7	3.8	3.6	4.0	3.6	4.2	3.9	3.7	---	---	---	---	---	---	---
297	2	F	3.6	3.3	3.6	3.8	3.7	3.7	3.8	3.6	4.0	3.6	4.2	3.9	3.7	4.3	4.4	4.5	4.1	4.5	4.1	4.0
298	2	F	3.6	3.3	3.6	3.8	3.7	3.7	3.8	3.6	4.0	3.6	4.2	3.9	3.7	4.3	4.4	4.5	4.1	4.5	4.1	4.0
299	2	F	3.6	3.3	3.6	3.8	3.7	3.7	3.8	3.6	4.0	3.6	4.2	3.9	3.7	4.3	4.4	4.5	4.1	4.5	4.1	4.0
300	2	F	3.6	3.3	3.6	3.8	3.7	3.7	3.8	3.6	4.0	3.6	4.2	3.9	3.7	4.3	4.4	4.5	4.1	4.5	4.1	4.0
301	3	M	4.8	4.4	4.3	4.6	4.4	4.4	4.2	4.4	4.4	4.5	4.8	4.5	4.6	4.5	4.4	4.6	4.4	4.8	4.5	4.5
302	3	M	4.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
303	3	M	4.8	4.4	4.3	4.6	4.4	4.4	4.2	4.4	4.4	4.5	4.8	4.5	4.6	4.5	4.4	4.6	4.4	4.8	4.5	4.5
304	3	M	4.8	4.4	4.3	4.6	4.4	4.4	4.2	4.4	4.4	4.5	4.8	4.5	4.6	4.5	4.4	4.6	4.4	4.8	4.5	4.5
305	3	M	4.8	4.4	4.3	4.6	4.4	4.4	4.2	4.4	4.4	4.5	4.8	4.5	4.6	4.5	4.4	4.6	4.4	4.8	4.5	4.5
306	3	M	5.1	5.3	5.0	4.8	4.8	4.8	4.5	4.2	4.4	4.5	4.6	4.8	4.6	4.6	4.9	4.8	4.6	4.7	4.1	4.2
307	3	M	5.1	5.3	5.0	4.8	4.8	4.8	4.5	4.2	4.4	4.5	4.6	4.8	4.6	---	---	---	---	---	---	---
308	3	M	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
309	3	M	5.1	5.3	5.0	4.8	4.8	4.8	4.5	4.2	4.4	4.5	4.6	4.8	4.6	4.6	4.9	4.8	4.6	4.7	4.1	4.2
310	3	M	5.1	5.3	5.0	4.8	4.8	4.8	4.5	4.2	4.4	4.5	4.6	4.8	4.6	4.6	4.9	4.8	4.6	4.7	4.1	4.2
311	3	M	5.0	4.8	4.9	4.6	4.3	4.9	4.3	4.1	4.5	4.4	4.7	5.0	4.5	---	---	---	---	---	---	---
312	3	M	5.0	4.8	4.9	4.6	4.3	4.9	4.3	4.1	4.5	4.4	4.7	5.0	4.5	---	---	---	---	---	---	---
313	3	M	5.0	4.8	4.9	4.6	4.3	4.9	4.3	4.1	4.5	4.4	4.7	5.0	4.5	4.6	4.8	4.7	4.6	4.6	4.4	4.2
314	3	M	5.0	4.8	4.9	4.6	4.3	4.9	4.3	4.1	4.5	4.4	4.7	5.0	4.5	4.6	4.8	4.7	4.6	4.6	4.4	4.2
315	3	M	5.0	4.8	4.9	4.6	4.3	4.9	4.3	4.1	4.5	4.4	4.7	5.0	4.5	---	---	---	---	---	---	---
316	3	M	4.7	4.6	4.5	4.8	4.5	4.6	4.5	4.5	4.4	4.2	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.8	4.3	4.2
317	3	M	4.7	4.6	4.5	4.8	4.5	4.6	4.5	4.5	4.4	4.2	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.8	4.3	4.2
318	3	M	4.7	4.6	4.5	4.8	4.5	4.6	4.5	4.5	4.4	4.2	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.8	4.3	4.2
319	3	M	4.7	4.6	4.5	4.8	4.5	4.6	4.5	4.5	4.4	4.2	4.1	4.2	4.3	---	---	---	---	---	---	---
320	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
321	3	M	5.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
322	3	M	5.7	5.5	5.1	5.1	5.2	4.6	5.0	4.8	4.7	5.3	4.9	4.6	4.6	4.5	4.7	4.4	4.5	4.5	4.3	4.4
323	3	M	5.7	5.5	5.1	5.1	5.2	4.6	5.0	4.8	4.7	5.3	4.9	4.6	4.6	4.5	4.7	4.4	4.5	4.5	4.3	4.4
324	3	M	5.7	5.5	5.1	5.1	5.2	4.6	5.0	4.8	4.7	5.3	4.9	4.6	4.6	4.5	4.7	4.4	4.5	4.5	4.3	4.4
325	3	M	5.7	5.5	5.1	5.1	5.2	4.6	5.0	4.8	4.7	5.3	4.9	4.6	4.6	4.5	4.7	4.4	4.5	4.5	4.3	4.4
326	3	M	6.2	5.0	4.8	5.3	4.5	4.6	4.5	4.7	5.1	4.9	5.0	5.3	5.1	4.9	4.9	4.9	4.7	4.5	4.4	4.3
327	3	M	6.2	5.0	4.8	5.3	4.5	4.6	4.5	4.7	5.1	4.9	5.0	5.3	5.1	4.9	4.9	4.9	4.7	4.5	4.4	4.3
328	3	M	6.2	5.0	4.8	5.3	4.5	4.6	4.5	4.7	5.1	4.9	5.0	5.3	5.1	4.9	4.9	4.9	4.7	4.5	4.4	4.3
329	3	M	6.2	5.0	4.8	5.3	4.5	4.6	4.5	4.7	5.1	4.9	5.0	5.3	5.1	4.9	4.9	4.9	4.7	4.5	4.4	4.3
330	3	M	6.2	5.0	4.8	5.3	4.5	4.6	4.5	4.7	5.1	4.9	5.0	5.3	5.1	4.9	4.9	4.9	4.7	4.5	4.4	4.3
331	3	M	4.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
332	3	M	4.7	4.6	5.2	4.6	4.4	4.6	3.9	4.4	4.4	4.3	4.2	4.6	4.4	5.0	4.7	4.7	4.7	5.9	4.5	4.2
333	3	M	4.7	4.6	5.2	4.6	4.4	4.6	3.9	4.4	4.4	4.3	4.2	4.6	4.4	5.0	4.7	4.7	4.7	5.9	4.5	4.2
334	3	M	4.7	4.6	5.2	4.6	4.4	4.6	3.9	4.4	4.4	4.3	4.2	4.6	4.4	5.0	4.7	4.7	4.7	5.9	4.5	4.2
335	3	M	4.7	4.6	5.2	4.6	4.4	4.6	3.9	4.4	4.4	4.3	4.2	4.6	4.4	---	---	---	---	---	---	---
336	3	M	6.0	6.0	4.4	5.1	5.7	4.8	4.4	5.1	5.4	5.3	5.1	5.1	5.4	5.0	5.2	4.9	4.8	4.5	4.6	4.2
337	3	M	6.0	6.0	4.4	5.1	5.7	4.8	4.4	5.1	5.4	5.3	5.1	5.1	5.4	5.0	5.2	4.9	4.8	4.5	4.6	4.2
338	3	M	6.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
339	3	M	6.0	6.0	4.4	5.1	5.7	4.8	4.4	5.1	5.4	5.3	5.1	5.1	5.4	5.0	5.2	4.9	4.8	4.5	4.6	4.2
340	3	M	6.0	6.0	4.4	5.1	5.7	4.8	4.4	5.1	5.4	5.3	5.1	5.1	5.4	5.0	5.2	4.9	4.8	4.5	4.6	4.2
341	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
342	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
343	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
344	3	M	---	5.6	4.6	5.8	4.7	4.4	4.4	4.0	4.6	4.1	4.5	4.4	4.8	4.4	4.5	4.7	4.4	4.6	4.4	4.2
345	3	M	---	5.6	4.6	5.8	4.7	4.4	4.4	4.0	4.6	4.1	4.5	4.4	4.8	4.4	4.5	4.7	4.4	4.6	4.4	4.2
346	3	M	5.2	5.3	4.4	4.5	4.1	4.2	4.1	4.4	4.0	4.7	4.8	4.7	4.8	4.7	4.4	4.3	4.3	4.1	4.0	3.9
347	3	M	5.2	5.3	4.4	4.5	4.1	4.2	4.1	4.4	4.0	4.7	4.8	4.7	4.8	4.7	4.4	4.3	4.3	4.1	4.0	3.9
348	3	M	5.2	5.3	4.4	4.5	4.1	4.2	4.1	4.4	4.0	4.7	4.8	4.7	4.8	4.7	4.4	4.3	4.3	4.1	4.0	3.9
349	3	M	5.2	5.3	4.4	4.5	4.1	4.2	4.1	4.4	4.0	4.7	4.8	4.7	4.8	4.7	4.4	4.3	4.3	4.1	4.0	3.9
350	3	M	5.2	5.3	4.4	4.5	4.1	4.2	4.1	4.4	4.0	4.7	4.8	4.7	4.8	4.7	4.4	4.3	4.3	4.1	4.0	3.9
351	3	M	5.0	4.9	4.6	4.7	4.6	4.5	4.4	4.6	4.8	4.6	4.5	4.7	4.3	4.5	4.1	4.4	4.3	4.0	4.2	4.3
352	3	M	5.0	4.9	4.6	4.7	4.6	4.5	4.4	4.6	4.8	4.6	4.5	4.7	4.3	4.5	4.1	4.4	4.3	4.0	4.2	4.3
353	3	M	5.0	4.9	4.6	4.7	4.6	4.5	4.4	4.6	4.8	4.6	4.5	4.7	4.3	4.5	4.1	4.4	4.3	4.0	4.2	4.3
354	3	M	5.0	4.9	4.6	4.7	4.6	4.5	4.4	4.6	4.8	4.6	4.5	4.7	4.3	4.5	4.1	4.4	4.3	4.0	4.2	4.3
355	3	M	5.0	4.9	4.6	4.7	4.6	4.5	4.4	4.6	4.8	4.6	4.5	4.7	4.3	4.5	4.1	4.4	4.3	4.0	4.2	4.3
356	3	M	5.1	4.8	5.0	4.9	4.6	4.6	4.5	4.9	5.1	4.6	4.6	4.6	3.9	4.8	4.5	4.6	4.6	3.8	4.8	4.3
357	3	M	5.1	4.8	5.0	4.9	4.6	4.6	4.5	4.9	5.1	4.6	4.6	4.6	3.9	4.8	4.5	4.6	4.6	3.8	4.8	4.3
358	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
359	3	M	5.1	4.8	5.0	4.9	4.6	4.6	4.5	4.9	5.1	4.6	4.6	4.6	3.9	---	---	---	---	---		---
360	3	M	5.1	4.8	5.0	4.9	4.6	4.6	4.5	4.9	5.1	4.6	4.6	4.6	3.9	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO.	GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
361	3	M	6.6	5.3	5.3	5.2	4.6	4.7	4.8	5.5	5.1	5.1	5.7	5.5	5.3	5.4	5.3	5.1	4.9	4.9	4.7	4.5
362	3	M	6.6	5.3	5.3	5.2	4.6	4.7	4.8	5.5	5.1	5.1	5.7	5.5	5.3	---	---	---	---	---	---	---
363	3	M	6.6	5.3	5.3	5.2	4.6	4.7	4.8	5.5	5.1	5.1	5.7	5.5	5.3	5.4	5.3	5.1	4.9	4.9	4.7	4.5
364	3	M	6.6	5.3	5.3	5.2	4.6	4.7	4.8	5.5	5.1	5.1	5.7	5.5	5.3	5.4	5.3	5.1	4.9	4.9	4.7	4.5
365	3	M	6.6	5.3	5.3	5.2	4.6	4.7	4.8	5.5	5.1	5.1	5.7	5.5	5.3	5.4	5.3	5.1	4.9	4.9	4.7	4.5
366	3	M	5.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
367	3	M	5.6	5.8	5.8	5.3	5.9	5.3	5.5	5.1	4.7	4.9	4.6	5.4	5.7	---	---	---	---	---	---	---
368	3	M	5.6	5.8	5.8	5.3	5.9	5.3	5.5	5.1	4.7	4.9	4.6	5.4	5.7	4.9	4.9	5.0	4.7	5.0	4.6	4.6
369	3	M	5.6	5.8	5.8	5.3	5.9	5.3	5.5	5.1	4.7	4.9	4.6	---	---	---	---	---	---	---	---	---
370	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
371	3	M	4.9	4.9	4.5	4.7	4.6	4.8	4.4	5.5	4.8	5.0	5.3	4.8	4.8	4.7	4.3	4.9	4.6	4.7	4.9	4.4
372	3	M	4.9	4.9	4.5	4.7	4.6	4.8	4.4	5.5	4.8	5.0	5.3	4.8	4.8	4.7	4.3	4.9	4.6	4.7	4.9	4.4
373	3	M	4.9	4.9	4.5	4.7	4.6	4.8	4.4	5.5	4.8	5.0	5.3	4.8	4.8	4.7	4.3	4.9	4.6	4.7	4.9	4.4
374	3	M	4.9	4.9	4.5	4.7	4.6	4.8	4.4	5.5	4.8	5.0	5.3	4.8	4.8	4.7	4.3	4.9	4.6	4.7	4.9	4.4
375	3	M	4.9	4.9	4.5	4.7	4.6	4.8	4.4	5.5	4.8	5.0	5.3	4.8	4.8	4.7	4.3	4.9	4.6	4.7	4.9	4.4
376	3	F	3.9	4.0	4.0	3.8	5.1	4.4	3.8	3.7	4.1	3.8	4.7	4.0	4.0	4.7	4.3	4.6	4.5	4.3	4.3	4.3
377	3	F	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
378	3	F	3.9	4.0	4.0	3.8	5.1	4.4	3.8	3.7	4.1	3.8	4.7	4.0	4.0	4.7	4.3	4.6	4.5	4.3	4.3	4.3
379	3	F	3.9	4.0	4.0	3.8	5.1	4.4	3.8	3.7	4.1	3.8	4.7	4.0	4.0	---	---	---	---	---	---	---
380	3	F	3.9	4.0	4.0	3.8	5.1	4.4	3.8	3.7	4.1	3.8	4.7	4.0	4.0	4.7	4.3	4.6	4.5	4.3	4.3	4.3
381	3	F	4.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
382	3	F	4.3	3.4	4.1	3.3	3.6	4.0	3.6	3.8	4.1	3.9	3.5	4.3	4.0	4.1	4.1	4.2	4.1	4.4	3.8	3.8
383	3	F	4.3	3.4	4.1	3.3	3.6	4.0	3.6	3.8	4.1	3.9	3.5	4.3	4.0	4.1	4.1	4.2	4.1	4.4	3.8	3.8
384	3	F	4.3	3.4	4.1	3.3	3.6	4.0	3.6	3.8	4.1	3.9	3.5	4.3	4.0	4.1	4.1	4.2	4.1	4.4	3.8	3.8
385	3	F	4.3	3.4	4.1	3.3	3.6	4.0	3.6	3.8	4.1	3.9	3.5	4.3	4.0	---	---	---	---	---	---	---
386	3	F	3.9	3.7	3.7	3.5	3.6	3.7	3.8	3.4	4.3	3.4	5.5	3.7	3.5	3.9	3.8	3.8	4.0	4.0	3.5	3.3
387	3	F	3.9	3.7	3.7	3.5	3.6	3.7	3.8	3.4	4.3	3.4	5.5	3.7	3.5	3.9	3.8	3.8	4.0	4.0	3.5	3.3
388	3	F	3.9	3.7	3.7	3.5	3.6	3.7	3.8	3.4	4.3	3.4	5.5	3.7	3.5	3.9	3.8	3.8	4.0	4.0	3.5	3.3
389	3	F	3.9	3.7	3.7	3.5	3.6	3.7	3.8	3.4	4.3	3.4	5.5	3.7	3.5	3.9	3.8	3.8	4.0	4.0	3.5	3.3
390	3	F	3.9	3.7	3.7	3.5	3.6	3.7	3.8	3.4	4.3	3.4	5.5	3.7	3.5	3.9	3.8	3.8	4.0	4.0	3.5	3.3
391	3	F	3.7	3.6	3.2	3.9	3.8	3.7	3.4	3.7	3.9	3.2	4.1	4.0	3.5	---	---	---	---	---	---	---
392	3	F	3.7	3.6	3.2	3.9	3.8	3.7	3.4	3.7	3.9	3.2	4.1	4.0	3.5	4.7	4.7	5.4	4.4	4.9	4.1	4.3
393	3	F	3.7	3.6	3.2	3.9	3.8	3.7	3.4	3.7	3.9	3.2	4.1	4.0	3.5	4.7	4.7	5.4	4.4	4.9	4.1	4.3
394	3	F	3.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
395	3	F	3.7	3.6	3.2	3.9	3.8	3.7	3.4	3.7	3.9	3.2	4.1	4.0	3.5	---	---	---	---	---	---	---
396	3	F	5.9	3.9	5.2	4.9	4.6	3.9	4.0	4.0	4.1	3.7	3.6	3.8	3.7	4.4	4.1	4.0	4.0	4.4	3.8	3.2
397	3	F	5.9	3.9	5.2	4.9	4.6	3.9	4.0	4.0	4.1	3.7	3.6	3.8	3.7	4.4	4.1	4.0	4.0	4.4	3.8	3.2
398	3	F	5.9	3.9	5.2	4.9	4.6	3.9	4.0	4.0	4.1	3.7	3.6	3.8	3.7	4.4	4.1	4.0	4.0	4.4	3.8	3.2
399	3	F	5.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
400	3	F	5.9	3.9	5.2	4.9	4.6	3.9	4.0	4.0	4.1	3.7	3.6	3.8	3.7	4.4	4.1	4.0	4.0	4.4	3.8	3.2

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO.	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
401	3	F	4.2	4.0	4.1	4.1	3.9	4.4	3.8	3.8	4.6	4.2	3.9	4.3	3.9	4.1	4.5	4.0	4.1	4.3	3.9	4.4
402	3	F	4.2	4.0	4.1	4.1	3.9	4.4	3.8	3.8	4.6	4.2	3.9	4.3	3.9	4.1	4.5	4.0	4.1	4.3	3.9	4.4
403	3	F	4.2	4.0	4.1	4.1	3.9	4.4	3.8	3.8	4.6	4.2	3.9	4.3	3.9	4.1	4.5	4.0	4.1	4.3	3.9	4.4
404	3	F	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
405	3	F	4.2	4.0	4.1	4.1	3.9	4.4	3.8	3.8	4.6	4.2	3.9	4.3	3.9	4.1	4.5	4.0	4.1	4.3	3.9	4.4
406	3	F	4.7	4.0	4.3	3.9	3.8	3.9	3.7	4.3	4.3	4.3	4.7	4.5	4.2	4.3	4.1	4.3	4.2	3.8	3.8	3.5
407	3	F	4.7	4.0	4.3	3.9	3.8	3.9	3.7	4.3	4.3	4.3	4.7	4.5	4.2	4.3	4.1	4.3	4.2	3.8	3.8	3.5
408	3	F	4.7	4.0	4.3	3.9	3.8	3.9	3.7	4.3	4.3	4.3	4.7	4.5	4.2	---	---	---	---	---	---	---
409	3	F	4.7	4.0	4.3	3.9	3.8	3.9	3.7	4.3	4.3	4.3	4.7	4.5	4.2	4.3	4.1	4.3	4.2	3.8	3.8	3.5
410	3	F	4.7	4.0	4.3	3.9	3.8	3.9	3.7	4.3	4.3	4.3	4.7	4.5	4.2	4.3	4.1	4.3	4.2	3.8	---	---
411	3	F	4.2	3.5	3.9	3.8	3.5	3.7	3.4	3.6	3.3	3.3	3.7	3.7	3.6	---	---	---	---	---	---	---
412	3	F	4.2	3.5	3.9	3.8	3.5	3.7	3.4	3.6	3.3	3.3	3.7	3.7	3.6	4.6	4.7	5.4	4.9	4.4	4.3	4.6
413	3	F	4.2	3.5	3.9	3.8	3.5	3.7	3.4	3.6	3.3	3.3	3.7	3.7	3.6	---	---	---	---	---	---	---
414	3	F	4.2	3.5	3.9	3.8	3.5	3.7	3.4	3.6	3.3	3.3	---	---	---	---	---	---	---	---	---	---
415	3	F	4.2	3.5	3.9	3.8	3.5	3.7	3.4	3.6	3.3	3.3	3.7	3.7	3.6	4.6	4.7	5.4	4.9	4.4	4.3	4.6
416	3	F	5.5	4.6	5.1	4.8	3.7	3.9	4.4	4.3	3.8	3.6	4.0	4.0	3.7	4.0	4.0	3.8	4.0	4.0	3.8	3.6
417	3	F	5.5	4.6	5.1	4.8	3.7	3.9	4.4	4.3	3.8	3.6	4.0	4.0	3.7	4.0	4.0	3.8	4.0	4.0	3.8	3.6
418	3	F	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
419	3	F	5.5	4.6	5.1	4.8	3.7	3.9	4.4	4.3	3.8	3.6	4.0	4.0	3.7	4.0	4.0	3.8	4.0	4.0	3.8	3.6
420	3	F	5.5	4.6	5.1	4.8	3.7	3.9	4.4	4.3	3.8	3.6	4.0	4.0	3.7	4.0	4.0	3.8	4.0	4.0	3.8	3.6
421	3	F	6.2	4.3	4.8	3.9	4.2	3.8	3.6	4.3	4.2	3.6	4.6	4.7	3.4	4.0	3.9	4.6	3.8	4.4	4.1	3.9
422	3	F	6.2	4.3	4.8	3.9	4.2	3.8	3.6	4.3	4.2	3.6	4.6	4.7	3.4	4.0	3.9	4.6	3.8	4.4	4.1	3.9
423	3	F	6.2	4.3	4.8	3.9	4.2	3.8	3.6	4.3	4.2	3.6	4.6	4.7	3.4	---	---	---	---	---	---	---
424	3	F	6.2	4.3	4.8	3.9	4.2	3.8	3.6	4.3	4.2	3.6	4.6	4.7	3.4	4.0	3.9	4.6	3.8	4.4	4.1	3.9
425	3	F	6.2	4.3	4.8	3.9	4.2	3.8	3.6	4.3	4.2	3.6	4.6	4.7	3.4	4.0	3.9	4.6	3.8	4.4	4.1	3.9
426	3	F	4.1	3.9	4.2	4.0	3.9	3.5	3.6	3.7	3.8	3.3	3.9	3.7	3.4	3.8	3.6	4.1	4.0	4.0	3.2	3.6
427	3	F	4.1	3.9	4.2	4.0	3.9	3.5	3.6	3.7	3.8	3.3	3.9	3.7	3.4	3.8	3.6	4.1	4.0	4.0	3.2	3.6
428	3	F	4.1	3.9	4.2	4.0	3.9	3.5	3.6	3.7	3.8	3.3	3.9	3.7	3.4	3.8	3.6	4.1	4.0	4.0	3.2	3.6
429	3	F	4.1	3.9	4.2	4.0	3.9	3.5	3.6	3.7	3.8	3.3	3.9	3.7	3.4	3.8	3.6	4.1	4.0	4.0	3.2	3.6
430	3	F	4.1	3.9	4.2	4.0	3.9	3.5	3.6	3.7	3.8	3.3	3.9	3.7	3.4	3.8	3.6	4.1	4.0	4.0	3.2	3.6
431	3	F	4.9	4.1	4.6	3.7	3.5	3.4	4.2	3.4	4.2	3.6	3.9	3.6	3.6	---	---	---	---	---	---	---
432	3	F	4.9	4.1	4.6	3.7	3.5	3.4	4.2	3.4	4.2	3.6	3.9	3.6	3.6	4.0	4.0	4.7	3.5	4.4	3.9	3.7
433	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
434	3	F	4.9	4.1	4.6	3.7	3.5	3.4	4.2	3.4	4.2	3.6	3.9	3.6	3.6	4.0	4.0	4.7	3.5	4.4	3.9	3.7
435	3	F	4.9	4.1	4.6	3.7	3.5	3.4	4.2	3.4	4.2	3.6	3.9	3.6	3.6	4.0	4.0	4.7	3.5	4.4	3.9	3.7
436	3	F	4.8	4.1	4.4	4.4	4.1	4.4	4.1	4.5	4.6	4.4	5.0	4.6	4.9	4.4	4.7	4.3	4.2	3.9	3.9	3.9
437	3	F	4.8	4.1	4.4	4.4	4.1	4.4	4.1	4.5	4.6	4.4	5.0	4.6	4.9	4.4	4.7	4.3	4.2	3.9	3.9	3.9
438	3	F	4.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
439	3	F	4.8	4.1	4.4	4.4	4.1	4.4	4.1	4.5	4.6	4.4	5.0	4.6	4.9	---	---	---	---	---	---	---
440	3	F	4.8	4.1	4.4	4.4	4.1	4.4	4.1	4.5	4.6	4.4	5.0	4.6	4.9	4.4	4.7	4.3	4.2	3.9	3.9	3.9

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
441	3	F	4.2	4.2	4.4	4.1	3.9	4.2	3.7	4.1	4.1	4.0	3.9	4.2	3.8	4.1	4.2	4.4	3.8	4.1	3.8	3.8
442	3	F	4.2	4.2	4.4	4.1	3.9	4.2	3.7	4.1	4.1	4.0	3.9	4.2	3.8	4.1	4.2	4.4	3.8	4.1	3.8	3.8
443	3	F	4.2	4.2	4.4	4.1	3.9	4.2	3.7	4.1	4.1	4.0	3.9	4.2	3.8	4.1	4.2	4.4	3.8	4.1	3.8	3.8
444	3	F	4.2	4.2	4.4	4.1	3.9	4.2	3.7	4.1	4.1	4.0	3.9	4.2	3.8	4.1	4.2	4.4	3.8	4.1	3.8	3.8
445	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
446	3	F	3.9	4.1	4.2	4.8	3.9	3.8	3.8	3.9	4.0	3.5	4.3	3.9	4.2	4.2	3.8	3.9	3.9	4.1	4.0	3.5
447	3	F	3.9	4.1	4.2	4.8	3.9	3.8	3.8	3.9	4.0	3.5	4.3	3.9	4.2	4.2	3.8	3.9	3.9	4.1	4.0	3.5
448	3	F	3.9	4.1	4.2	4.8	3.9	3.8	3.8	3.9	4.0	3.5	4.3	3.9	4.2	4.2	3.8	3.9	3.9	4.1	4.0	3.5
449	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
450	3	F	3.9	4.1	4.2	4.8	3.9	3.8	3.8	3.9	4.0	3.5	4.3	3.9	4.2	4.2	3.8	3.9	3.9	4.1	4.0	3.5
451	4	M	6.5	5.5	5.4	6.1	5.6	5.8	5.3	5.5	4.9	5.1	5.3	4.9	4.7	6.3	5	5.6	5.2	5.5	4.7	4.7
452	4	M	6.5	5.5	5.4	6.1	5.6	5.8	5.3	5.5	4.9	5.1	5.3	4.9	4.7	6.3	5.2	5.6	5.2	5.5	4.7	4.7
453	4	M	6.5	5.5	5.4	6.1	5.6	5.8	5.3	5.5	4.9	5.1	5.3	4.9	4.7	6.3	5.2	5.6	5.2	5.5	4.7	4.7
454	4	M	6.5	5.5	5.4	6.1	5.6	5.8	5.3	5.5	4.9	5.1	5.3	4.9	4.7	6.3	5.2	5.6	5.2	5.5	4.7	4.7
455	4	M	6.5	5.5	5.4	6.1	5.6	5.8	5.3	5.5	4.9	5.1	5.3	4.9	4.7	6.3	5.2	5.6	5.2	5.5	4.7	4.7
456	4	M	5.5	4.9	4.5	5.0	4.7	4.9	4.6	4.8	4.7	4.1	4.9	5.0	4.8	---	---	---	---	---	---	---
457	4	M	5.5	4.9	4.5	5.0	4.7	4.9	4.6	4.8	4.7	4.1	4.9	5.0	4.8	4.4	4.7	4.6	4.5	4.5	4.3	4.4
458	4	M	5.5	4.9	4.5	5.0	4.7	4.9	4.6	4.8	4.7	4.1	4.9	5.0	4.8	---	---	---	---	---	---	---
459	4	M	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
460	4	M	5.5	4.9	4.5	5.0	4.7	4.9	4.6	4.8	4.7	4.1	4.9	5.0	4.8	4.4	4.7	4.6	4.5	4.5	4.3	4.4
461	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
462	4	M	6.4	6.7	5.7	6.3	6.2	4.8	4.8	6.0	5.7	5.4	5.9	5.3	6.0	6.0	6.0	5.5	5.7	5.8	6.3	5.7
463	4	M	6.4	6.7	5.7	6.3	6.2	4.8	4.8	6.0	5.7	5.4	5.9	5.3	6.0	6.0	6.0	5.5	5.7	5.8	6.3	5.7
464	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
465	4	M	6.4	6.7	5.7	6.3	6.2	4.8	4.8	6.0	5.7	5.4	5.9	5.3	6.0	6.0	6.0	5.5	5.7	5.8	6.3	5.7
466	4	M	7.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
467	4	M	7.0	7.7	6.2	6.9	5.1	5.1	5.8	5.2	5.2	5.1	5.3	5.4	5.4	6.5	6.9	5.2	6.0	6.4	6.1	7.6
468	4	M	7.0	7.7	6.2	6.9	5.1	5.1	5.8	5.2	5.2	5.1	5.3	5.4	5.4	6.5	6.9	5.2	6.0	6.4	6.1	7.6
469	4	M	7.0	7.7	6.2	6.9	5.1	5.1	5.8	5.2	5.2	5.1	5.3	5.4	5.4	6.5	6.9	5.2	6.0	6.4	6.1	7.6
470	4	M	7.0	7.7	6.2	6.9	5.1	5.1	5.8	5.2	5.2	5.1	5.3	5.4	5.4	---	---	---	---	---	---	---
471	4	M	5.3	4.9	5.0	4.9	4.7	4.4	4.5	4.3	4.3	4.5	4.5	4.2	3.1	---	---	---	---	---	---	---
472	4	M	5.3	4.9	5.0	4.9	4.7	4.4	4.5	4.3	4.3	4.5	4.5	4.2	3.1	4.7	4.5	4.7	4.1	4.6	4.5	4.3
473	4	M	5.3	4.9	5.0	4.9	4.7	4.4	4.5	4.3	4.3	4.5	4.5	4.2	3.1	4.7	4.5	4.7	4.1	4.6	4.5	4.3
474	4	M	5.3	4.9	5.0	4.9	4.7	4.4	4.5	4.3	4.3	4.5	4.5	4.2	3.1	4.7	4.5	4.7	4.1	4.6	4.5	4.3
475	4	M	5.3	4.9	5.0	4.9	4.7	4.4	4.5	4.3	4.3	4.5	4.5	4.2	3.1	4.7	4.5	4.7	4.1	4.6	4.5	4.3
476	4	M	5.3	4.8	5.3	4.8	4.7	4.6	4.4	5.0	5.2	4.7	4.9	4.8	4.9	5.7	5.8	5.5	5.2	5.5	5.2	5.3
477	4	M	5.3	4.8	5.3	4.8	4.7	4.6	4.4	5.0	5.2	4.7	4.9	4.8	4.9	---	---	---	---	---	---	---
478	4	M	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
479	4	M	5.3	4.8	5.3	4.8	4.7	4.6	4.4	5.0	5.2	4.7	4.9	4.8	4.9	5.7	5.8	5.5	5.2	5.5	5.2	5.3
480	4	M	5.3	4.8	5.3	4.8	4.7	4.6	4.4	5.0	5.2	4.7	4.9	4.8	4.9	5.7	5.8	5.5	5.2	5.5	5.2	5.3

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
			TEST WEEK																			
481	4	M	5.0	5.5	5.2	4.8	4.7	4.7	4.6	4.4	5.2	5.0	5.4	5.1	5.0	4.9	5.0	5.2	4.7	5.2	5.1	4.9
482	4	M	5.0	5.5	5.2	4.8	4.7	4.7	4.6	4.4	5.2	5.0	5.4	5.1	5.0	4.9	5.0	5.2	4.7	5.2	5.4	4.9
483	4	M	5.0	5.5	5.2	4.8	4.7	4.7	4.6	4.4	5.2	5.0	5.4	5.1	5.0	4.9	5.0	5.2	4.7	5.2	5.4	4.9
484	4	M	5.0	5.5	5.2	4.8	4.7	4.7	4.6	4.4	5.2	5.0	5.4	5.1	5.0	4.9	5.0	5.2	4.7	5.2	5.4	4.9
485	4	M	5.0	5.5	5.2	4.8	4.7	4.7	4.6	4.4	5.2	5.0	5.4	5.1	5.0	4.9	5.0	5.2	4.7	5.2	5.4	4.9
486	4	M	5.6	6.2	5.5	5.3	4.8	4.7	4.4	4.7	5.3	5.2	5.7	5.5	5.5	6.3	6.0	6.0	5.9	5.6	5.7	5.0
487	4	M	5.6	6.2	5.5	5.3	4.8	4.7	4.4	4.7	5.3	5.2	5.7	5.5	5.5	6.3	6.0	6.0	5.9	5.6	5.7	5.0
488	4	M	5.6	6.2	5.5	5.3	4.8	4.7	4.4	4.7	5.3	5.2	5.7	5.5	5.5	6.3	6.0	6.0	5.9	5.6	5.7	5.0
489	4	M	5.6	6.2	5.5	5.3	4.8	4.7	4.4	4.7	5.3	5.2	5.7	5.5	5.5	6.3	6.0	6.0	5.9	5.6	5.7	5.0
490	4	M	5.6	6.2	5.5	5.3	4.8	4.7	4.4	4.7	5.3	5.2	5.7	5.5	5.5	---	---	---	---	---	---	---
491	4	M	5.0	5.1	5.5	5.3	4.8	4.6	4.8	4.8	5.0	4.9	5.5	5.5	5.1	5.4	5.2	5.3	5.0	6.5	5.1	4.3
492	4	M	5.0	5.1	5.5	5.3	4.8	4.6	4.8	4.8	5.0	4.9	5.5	5.5	5.1	5.4	5.2	5.3	5.0	6.5	5.1	4.3
493	4	M	5.0	5.1	5.5	5.3	4.8	4.6	4.8	4.8	5.0	4.9	5.5	5.5	5.1	---	---	---	---	---	---	---
494	4	M	5.0	5.1	5.5	5.3	4.8	4.6	4.8	4.8	5.0	4.9	5.5	5.5	5.1	5.4	5.2	5.3	5.0	6.5	5.1	4.3
495	4	M	5.0	5.1	5.5	5.3	4.8	4.6	4.8	4.8	5.0	4.9	5.5	5.5	5.1	5.4	5.2	5.3	5.0	6.5	5.1	4.3
496	4	M	7.3	5.8	6.1	6.2	5.5	4.8	4.6	5.4	5.2	5.1	5.4	5.2	5.5	8.9	6.4	6.7	7.4	6.7	5.7	5.5
497	4	M	7.3	5.8	6.1	6.2	5.5	4.8	4.6	5.4	5.2	5.1	5.4	5.2	5.5	8.9	6.4	6.7	7.4	6.7	5.7	5.5
498	4	M	7.3	5.8	6.1	6.2	5.5	4.8	4.6	5.4	5.2	5.1	5.4	5.2	5.5	8.9	6.4	6.7	7.4	6.7	5.7	5.5
499	4	M	7.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
500	4	M	7.3	5.8	6.1	6.2	5.5	4.8	4.6	5.4	5.2	5.1	5.4	5.2	5.5	---	---	---	---	---	---	---
501	4	M	6.3	6.1	6.1	5.4	5.1	5.0	4.9	5.3	5.5	5.4	6.0	5.5	5.4	5.1	5.1	5.1	5.0	4.7	4.8	3.9
502	4	M	6.3	6.1	6.1	5.4	5.1	5.0	4.9	5.3	5.5	5.4	6.0	5.5	5.4	---	---	---	---	---	---	---
503	4	M	6.3	6.1	6.1	5.4	5.1	5.0	4.9	5.3	5.5	5.4	6.0	5.5	5.4	5.1	5.1	5.1	5.0	4.7	4.8	3.9
504	4	M	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
505	4	M	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
506	4	M	5.6	5.2	5.5	5.3	4.9	4.6	4.4	4.7	4.9	5.6	5.5	4.9	5.8	5.6	5.2	5.3	4.8	5.4	5.2	5.0
507	4	M	5.6	5.2	5.5	5.3	4.9	4.6	4.4	4.7	4.9	5.6	5.5	4.9	5.8	5.6	5.2	5.3	4.8	5.4	5.2	5.0
508	4	M	5.6	5.2	5.5	5.3	4.9	4.6	4.4	4.7	4.9	5.6	5.5	4.9	5.8	5.6	5.2	5.3	4.8	5.4	5.2	5.0
509	4	M	5.6	5.2	5.5	5.3	4.9	4.6	4.4	4.7	4.9	5.6	5.5	4.9	5.8	5.6	5.2	5.3	4.8	5.4	5.2	5.0
510	4	M	5.6	5.2	5.5	5.3	4.9	4.6	4.4	4.7	4.9	5.6	---	---	---	---	---	---	---	---	---	---
511	4	M	5.5	5.1	5.6	5.2	5.3	5.2	5.0	5.3	5.7	5.5	6.3	5.7	5.6	5.6	5.5	5.4	5.5	5.5	5.0	5.5
512	4	M	5.5	5.1	5.6	5.2	5.3	5.2	5.0	5.3	5.7	5.5	6.3	5.7	5.6	5.6	5.5	5.4	5.5	5.5	5.0	5.5
513	4	M	5.5	5.1	5.6	5.2	5.3	5.2	5.0	5.3	5.7	5.5	6.3	5.7	5.6	5.6	5.5	5.4	5.5	5.5	5.0	5.5
514	4	M	5.5	5.1	5.6	5.2	5.3	5.2	5.0	5.3	5.7	5.5	6.3	5.7	5.6	5.6	5.5	5.4	5.5	5.5	5.0	5.5
515	4	M	5.5	5.1	5.6	5.2	5.3	5.2	5.0	5.3	5.7	5.5	6.3	5.7	5.6	5.6	5.5	5.4	5.5	5.5	5.0	5.5
516	4	M	4.6	5.2	5.0	5.2	5.3	4.9	4.7	5.0	4.9	5.0	5.2	5.0	5.0	5.0	5.0	5.2	4.6	5.0	4.8	4.5
517	4	M	4.6	5.2	5.0	5.2	5.3	4.9	4.7	5.0	4.9	5.0	5.2	5.0	5.0	5.0	5.0	5.2	4.6	5.0	4.8	4.5
518	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
519	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
520	4	M	4.6	5.2	5.0	5.2	5.3	4.9	4.7	5.0	4.9	5.0	5.2	5.0	5.0	5.0	5.0	5.2	4.6	5.0	4.8	4.5

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO.	GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
521	4	M	6.1	5.9	5.4	5.9	5.1	5.6	4.7	5.6	5.8	5.7	5.7	5.7	5.5	6.8	6.7	6.8	6.2	7.0	6.4	6.8
522	4	M	6.1	5.9	5.4	5.9	5.1	5.6	4.7	5.6	5.8	5.7	5.7	5.7	5.5	6.8	6.7	6.8	6.2	7.0	6.4	6.8
523	4	M	6.1	5.9	5.4	5.9	5.1	5.6	4.7	5.6	5.8	5.7	5.7	5.7	5.5	---	---	---	---	---	---	---
524	4	M	6.1	5.9	5.4	5.9	5.1	5.6	4.7	5.6	5.8	5.7	5.7	5.7	5.5	6.8	---	---	---	---	---	---
525	4	M	6.1	5.9	5.4	5.9	5.1	5.6	4.7	5.6	5.8	5.7	5.7	5.7	5.5	6.8	6.7	6.8	6.2	7.0	6.4	6.8
526	4	F	5.1	4.2	3.5	3.7	3.9	3.7	3.6	3.7	4.0	3.4	4.1	4.3	4.5	4.9	4.9	4.4	4.2	4.1	4.1	4.0
527	4	F	5.1	4.2	3.5	3.7	3.9	3.7	3.6	3.7	4.0	3.4	4.1	4.3	4.5	4.9	4.9	4.4	4.2	4.1	4.1	4.0
528	4	F	5.1	4.2	3.5	3.7	3.9	3.7	3.6	3.7	4.0	3.4	4.1	4.3	4.5	4.9	4.9	4.4	4.2	4.1	4.1	4.0
529	4	F	5.1	4.2	3.5	3.7	3.9	3.7	3.6	3.7	4.0	3.4	4.1	4.3	4.5	4.9	4.9	4.4	4.2	4.1	4.1	4.0
530	4	F	5.1	4.2	3.5	3.7	3.9	3.7	3.6	3.7	4.0	3.4	4.1	4.3	4.5	4.9	4.9	4.4	4.2	4.1	4.1	4.0
531	4	F	6.4	4.7	4.8	4.5	4.1	4.3	4.4	5.0	4.9	4.0	6.0	6.3	4.7	5.4	6.2	5.9	5.9	5.0	4.6	4.9
532	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
533	4	F	6.4	4.7	4.8	4.5	4.1	4.3	4.4	5.0	4.9	4.0	6.0	6.3	4.7	---	---	---	---	---	---	---
534	4	F	6.4	4.7	4.8	4.5	4.1	4.3	4.4	5.0	4.9	4.0	6.0	6.3	4.7	5.4	6.2	5.9	5.9	5.0	4.6	4.9
535	4	F	6.4	4.7	4.8	4.5	4.1	4.3	4.4	5.0	4.9	4.0	6.0	6.3	4.7	5.4	6.2	5.9	5.9	5.0	4.6	4.9
536	4	F	4.6	3.4	3.9	3.5	3.6	4.0	3.0	3.9	3.8	3.6	3.8	4.6	3.6	4.6	4.6	4.8	5.1	4.7	4.1	4.0
537	4	F	4.6	3.4	3.9	3.5	3.6	4.0	3.0	3.9	3.8	3.6	3.8	4.6	3.6	4.6	4.6	4.8	5.1	4.7	4.1	4.0
538	4	F	4.6	3.4	3.9	3.5	3.6	4.0	3.0	3.9	3.8	3.6	3.8	4.6	3.6	4.6	4.6	4.8	5.1	4.7	4.1	4.0
539	4	F	4.6	3.4	3.9	3.5	3.6	4.0	3.0	3.9	3.8	3.6	3.8	4.6	3.6	---	---	---	---	---	---	---
540	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
541	4	F	4.7	4.4	4.4	4.2	4.0	3.9	3.6	4.2	4.3	4.2	4.7	5.1	4.2	3.9	4.2	3.7	3.8	4.1	3.5	---
542	4	F	4.7	4.4	4.4	4.2	4.0	3.9	3.6	4.2	4.3	4.2	4.7	5.1	4.2	3.9	4.2	3.7	3.8	4.1	3.5	---
543	4	F	4.7	4.4	4.4	4.2	4.0	3.9	3.6	4.2	4.3	4.2	4.7	5.1	4.2	---	---	---	---	---	---	---
544	4	F	4.7	4.4	4.4	4.2	4.0	3.9	3.6	4.2	4.3	4.2	4.7	5.1	4.2	3.9	4.2	3.7	3.8	4.1	3.5	---
545	4	F	4.7	4.4	4.4	4.2	4.0	3.9	3.6	4.2	4.3	4.2	4.7	5.1	4.2	3.9	4.2	3.7	3.8	4.1	3.5	---
546	4	F	5.1	5.4	5.7	5.4	5.0	4.9	5.4	5.9	5.1	4.0	6.8	6.5	4.5	6.5	6.3	6.4	5.3	5.9	5.2	4.4
547	4	F	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
548	4	F	5.1	5.4	5.7	5.4	5.0	4.9	5.4	5.9	5.1	4.0	6.8	6.5	4.5	6.5	6.3	6.4	5.3	5.9	5.2	4.4
549	4	F	5.1	5.4	5.7	5.4	5.0	4.9	5.4	5.9	5.1	4.0	6.8	6.5	4.5	6.5	6.3	6.4	5.3	5.9	5.2	4.4
550	4	F	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
551	4	F	4.7	4.2	6.7	4.3	3.8	4.7	3.6	4.1	4.5	4.2	4.6	4.9	4.1	4.8	5.0	5.7	4.8	4.7	5.1	4.0
552	4	F	4.7	4.2	6.7	4.3	3.8	4.7	3.6	4.1	4.5	4.2	4.6	4.9	4.1	4.8	5.0	5.7	4.8	4.7	5.1	4.0
553	4	F	4.7	4.2	6.7	4.3	3.8	4.7	3.6	4.1	4.5	4.2	4.6	4.9	4.1	---	---	---	---	---	---	---
554	4	F	4.7	4.2	6.7	4.3	3.8	4.7	3.6	4.1	4.5	4.2	4.6	4.9	4.1	4.8	5.0	5.7	4.8	4.7	5.1	4.0
555	4	F	4.7	4.2	6.7	4.3	3.8	4.7	3.6	4.1	4.5	4.2	4.6	4.9	4.1	---	---	---	---	---	---	---
556	4	F	4.0	3.8	3.6	3.8	3.7	3.5	3.6	4.0	4.1	3.6	3.7	4.3	3.8	---	---	---	---	---	---	---
557	4	F	4.0	3.8	3.6	3.8	3.7	3.5	3.6	4.0	4.1	3.6	3.7	4.3	3.8	4.3	4.3	4.4	4.3	4.1	3.9	3.8
558	4	F	4.0	3.8	3.6	3.8	3.7	3.5	3.6	4.0	4.1	3.6	3.7	4.3	3.8	4.3	4.3	4.4	4.3	4.1	3.9	3.8
559	4	F	4.0	3.8	3.6	3.8	3.7	3.5	3.6	4.0	4.1	3.6	3.7	4.3	3.8	4.3	4.3	4.4	4.3	4.1	3.9	3.8
560	4	F	4.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65
561	4	F	5.6	4.9	4.7	3.9	3.8	4.0	4.0	4.3	4.7	4.2	4.6	4.7	4.0	4.8	4.7	4.7	4.1	4.8	4.5	4.3
562	4	F	5.6	4.9	4.7	3.9	3.8	4.0	4.0	4.3	4.7	4.2	4.6	4.7	4.0	4.8	4.7	4.7	4.1	4.8	4.5	4.3
563	4	F	5.6	4.9	4.7	3.9	3.8	4.0	4.0	4.3	4.7	4.2	4.6	4.7	4.0	4.8	4.7	4.7	4.1	4.8	4.5	4.3
564	4	F	5.6	4.9	4.7	3.9	3.8	4.0	4.0	4.3	4.7	4.2	4.6	4.7	4.0	4.8	4.7	4.7	4.1	4.8	4.5	4.3
565	4	F	5.6	4.9	4.7	3.9	3.8	4.0	4.0	4.3	4.7	4.2	4.6	4.7	4.0	---	---	---	---	---	---	---
566	4	F	4.6	4.1	3.9	4.3	4.1	3.6	3.7	4.2	4.7	3.8	4.2	4.6	3.9	4.8	4.8	5.4	4.7	4.2	4.9	3.9
567	4	F	4.6	4.1	3.9	4.3	4.1	3.6	3.7	4.2	4.7	3.8	4.2	4.6	3.9	4.8	4.8	5.4	4.7	4.2	4.9	3.9
568	4	F	4.6	4.1	3.9	4.3	4.1	3.6	3.7	4.2	4.7	3.8	4.2	4.6	3.9	4.8	4.8	5.4	4.7	4.2	4.9	3.9
569	4	F	4.6	4.1	3.9	4.3	4.1	3.6	3.7	4.2	4.7	3.8	4.2	4.6	3.9	4.8	4.8	5.4	4.7	4.2	4.9	3.9
570	4	F	4.6	4.1	3.9	4.3	4.1	3.6	3.7	4.2	4.7	3.8	4.2	4.6	3.9	---	---	---	---	---	---	---
571	4	F	5.6	4.5	5.2	3.6	3.8	3.6	3.4	4.4	4.3	3.6	4.7	4.6	4.1	4.1	5.2	5.3	4.0	4.3	4.2	4.2
572	4	F	5.6	4.5	5.2	3.6	3.8	3.6	3.4	4.4	4.3	3.6	4.7	4.6	4.1	4.1	5.2	5.3	4.0	4.3	4.2	4.2
573	4	F	5.6	4.5	5.2	3.6	3.8	3.6	3.4	4.4	4.3	3.6	4.7	4.6	4.1	4.1	5.2	5.3	4.0	4.3	4.2	4.2
574	4	F	5.6	4.5	5.2	3.6	3.8	3.6	3.4	4.4	4.3	3.6	4.7	4.6	4.1	4.1	5.2	5.3	4.0	4.3	4.2	4.2
575	4	F	5.6	4.5	5.2	3.6	3.8	3.6	3.4	4.4	4.3	3.6	4.7	4.6	4.1	4.1	5.2	5.3	4.0	4.3	4.2	4.2
576	4	F	5.6	4.7	5.4	4.4	3.7	4.3	3.8	4.1	5.0	3.7	4.0	6.1	4.4	4.7	4.6	5.8	5.2	4.6	3.9	4.2
577	4	F	5.6	4.7	5.4	4.4	3.7	4.3	3.8	4.1	5.0	3.7	4.0	6.1	4.4	4.7	4.6	5.8	5.2	4.6	3.9	4.2
578	4	F	5.6	4.7	5.4	4.4	3.7	4.3	3.8	4.1	5.0	3.7	4.0	6.1	4.4	4.7	4.6	5.8	5.2	4.6	3.9	4.2
579	4	F	5.6	4.7	5.4	4.4	3.7	4.3	3.8	4.1	5.0	3.7	4.0	6.1	4.4	4.7	4.6	5.8	5.2	4.6	3.9	4.2
580	4	F	5.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
581	4	F	4.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
582	4	F	4.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
583	4	F	4.8	4.5	4.3	4.2	4.9	4.3	3.9	5.3	5.8	4.8	5.7	5.7	4.8	5.4	5.8	6.0	6.0	5.9	5.5	5.1
584	4	F	4.8	4.5	4.3	4.2	4.9	4.3	3.9	5.3	5.8	4.8	5.7	5.7	4.8	5.4	5.8	6.0	6.0	5.9	5.5	5.1
585	4	F	4.8	4.5	4.3	4.2	4.9	4.3	3.9	5.3	5.8	4.8	5.7	5.7	4.8	5.4	5.8	6.0	6.0	5.9	5.5	5.1
586	4	F	4.6	4.4	4.7	4.0	4.0	3.9	3.6	4.2	4.6	4.2	4.9	5.0	4.2	4.5	5.0	5.4	4.7	5.0	4.7	3.9
587	4	F	4.6	4.4	4.7	4.0	4.0	3.9	3.6	4.2	4.6	4.2	4.9	5.0	4.2	4.5	5.0	5.4	4.7	5.0	4.7	3.9
588	4	F	4.6	4.4	4.7	4.0	4.0	3.9	3.6	4.2	4.6	4.2	4.9	5.0	4.2	4.5	5.0	5.4	4.7	5.0	4.7	3.9
589	4	F	4.6	4.4	4.7	4.0	4.0	3.9	3.6	4.2	4.6	4.2	4.9	5.0	4.2	4.5	5.0	5.4	4.7	5.0	4.7	3.9
590	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
591	4	F	5.6	3.5	4.6	4.4	3.5	3.7	3.7	3.9	4.5	3.6	4.0	4.2	3.7	4.3	4.4	4.3	4.2	4.1	4.1	3.8
592	4	F	5.6	3.5	4.6	4.4	3.5	3.7	3.7	3.9	4.5	3.6	4.0	4.2	3.7	4.3	4.4	4.3	4.2	4.1	4.1	3.8
593	4	F	5.6	3.5	4.6	4.4	3.5	3.7	3.7	3.9	4.5	3.6	4.0	4.2	3.7	4.3	4.4	4.3	4.2	4.1	4.1	3.8
594	4	F	5.6	3.5	4.6	4.4	3.5	3.7	3.7	3.9	4.5	3.6	4.0	4.2	3.7	4.3	4.4	4.3	4.2	4.1	4.1	3.8
595	4	F	5.6	3.5	4.6	4.4	3.5	3.7	3.7	3.9	4.5	3.6	4.0	---	---	---	---					
596	4	F	7.3	5.8	5.8	4.6	4.4	4.4	4.1	4.6	5.5	4.5	6.5	5.7	5.1	4.9	6.0	7.0	5.4	4.1	5.7	5.9
597	4	F	7.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
598	4	F	7.3	5.8	5.8	4.6	4.4	4.4	4.1	4.6	5.5	4.5	6.5	5.7	5.1	---						
599	4	F	7.3	5.8	5.8	4.6	4.4	4.4	4.1	4.6	5.5	4.5	6.5	5.7	5.1	---						
600	4	F	7.3	5.8	5.8	4.6	4.4	4.4	4.1	4.6	5.5	4.5	6.5	5.7	5.1	4.9	6.0	7.0	5.4	4.1	5.7	5.9

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO.	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
1	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2	1	M	5.1	4.9	5.1	5.1	5.0	4.9	5.0	4.9	5.3	5.2	5.1	4.9	4.8	4.9	4.6	5.3	5.1	4.3	3.9	4.2
3	1	M	5.1	4.9	5.1	5.1	5.0	4.9	5.0	4.9	5.3	5.2	5.1	4.9	4.8	4.9	4.6	5.3	5.1	---	---	---
4	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	1	M	5.1	4.9	5.1	5.1	5.0	4.9	5.0	4.9	5.3	5.2	5.1	4.9	4.8	4.9	4.6	5.3	5.1	4.3	3.9	4.2
6	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	1	M	4.3	4.2	4.1	4.0	4.1	4.1	4.3	4.4	4.7	4.6	4.5	4.6	4.8	4.4	4.4	3.8	4.0	4.7	3.1	3.3
8	1	M	4.3	4.2	4.1	4.0	4.1	4.1	4.3	4.4	4.7	4.6	4.5	4.6	4.8	4.4	4.4	3.8	4.0	---	---	---
9	1	M	4.3	4.2	4.1	4.0	4.1	4.1	4.3	4.4	4.7	4.6	4.5	4.6	4.8	4.4	4.4	3.8	4.0	4.7	---	---
10	1	M	4.3	4.2	4.1	4.0	4.1	4.1	4.3	4.4	4.7	4.6	4.5	4.6	4.8	4.4	4.4	3.8	4.0	4.7	3.1	3.3
11	1	M	4.7	4.6	4.7	4.9	4.4	4.5	4.8	4.5	4.5	4.5	4.7	4.4	4.8	5.0	4.6	4.5	4.9	4.6	4.3	4.9
12	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	1	M	4.7	4.6	4.7	4.9	4.4	4.5	4.8	4.5	4.5	4.5	4.7	4.4	4.8	5.0	4.6	4.5	4.9	4.6	4.3	4.9
14	1	M	4.7	4.6	4.7	4.9	4.4	4.5	4.8	4.5	4.5	4.5	4.7	4.4	4.8	5.0	4.6	4.5	4.9	4.6	4.3	4.9
15	1	M	4.7	4.6	4.7	4.9	4.4	4.5	4.8	4.5	4.5	4.5	4.7	4.4	4.8	5.0	4.6	4.5	4.9	4.6	4.3	4.9
16	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	1	M	4.4	4.3	4.3	5.0	4.7	4.7	4.8	4.7	4.8	4.5	4.5	4.7	4.5	5.1	4.5	4.9	6.0	5.0	4.5	5.0
18	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	1	M	4.4	4.3	4.3	5.0	4.7	4.7	4.8	4.7	4.8	4.5	4.5	4.7	4.5	5.1	4.5	4.9	6.0	5.0	4.5	5.0
20	1	M	4.4	4.3	4.3	5.0	4.7	4.7	4.8	4.7	4.8	4.5	4.5	4.7	4.5	5.1	4.5	4.9	6.0	5.0	4.5	5.0
21	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	1	M	4.4	4.8	4.2	4.6	4.6	---	4.8	4.4	4.7	4.5	4.6	4.9	4.5	4.8	4.9	4.7	5.1	4.4	4.4	5.0
23	1	M	4.4	4.8	4.2	4.6	4.6	---	4.8	4.4	4.7	4.5	4.6	4.9	4.5	4.8	4.9	4.7	5.1	4.4	4.4	5.0
24	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	1	M	4.4	4.8	4.2	4.6	4.6	---	4.8	4.4	4.7	4.5	4.6	4.9	4.5	4.8	4.9	4.7	5.1	4.4	4.4	5.0
26	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	1	M	4.4	4.9	4.5	4.3	4.4	4.4	4.6	3.8	4.4	---	---	---	---	---	---	---	---	---	---	---
28	1	M	4.4	4.9	4.5	4.3	4.4	4.4	4.6	3.8	4.4	5.0	4.9	4.9	4.7	5.4	5.0	5.2	4.9	4.6	4.6	4.9
29	1	M	4.4	4.9	4.5	4.3	4.4	4.4	4.6	3.8	4.4	5.0	4.9	4.9	4.7	5.4	5.0	5.2	4.9	4.6	4.6	4.9
30	1	M	4.4	4.9	4.5	4.3	4.4	4.4	4.6	3.8	4.4	5.0	4.9	4.9	4.7	5.4	5.0	5.2	4.9	4.6	4.6	4.9
31	1	M	4.3	4.3	4.3	4.0	4.4	4.3	4.3	4.3	4.5	4.3	4.2	4.2	4.3	4.5	4.8	4.6	5.3	5.4	5.9	4.6
32	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33	1	M	4.3	4.3	4.3	4.0	4.4	4.3	4.3	4.3	4.5	4.3	4.2	4.2	4.3	4.5	4.8	4.6	5.3	5.4	5.9	4.6
34	1	M	4.3	4.3	4.3	4.0	4.4	4.3	4.3	4.3	4.5	4.3	4.2	4.2	4.3	4.5	4.8	4.6	5.3	5.4	5.9	4.6
35	1	M	4.3	4.3	4.3	4.0	4.4	4.3	4.3	4.3	4.5	4.3	4.2	4.2	4.3	4.5	4.8	4.6	5.3	5.4	5.9	4.6
36	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
37	1	M	4.7	4.6	4.6	3.7	4.6	4.4	4.4	4.5	4.6	4.9	4.7	4.1	4.4	4.6	4.7	4.1	4.7	4.3	4.1	4.0
38	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39	1	M	4.7	4.6	4.6	3.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40	1	M	4.7	4.6	4.6	3.7	4.6	4.4	4.4	4.5	4.6	4.9	4.7	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
41	1	M	4.7	4.9	4.9	5.0	5.1	4.7	4.9	5.1	5.1	7.1	6.4	5.4	7.3	---	7.4	9.0	6.4	---	7.7	6.1
42	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
43	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
44	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
45	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
46	1	M	4.5	4.4	4.4	4.2	4.8	4.9	4.3	4.6	4.4	4.5	4.3	4.3	4.3	4.4	3.9	4.3	4.5	4.3	4.0	4.0
47	1	M	4.5	4.4	4.4	4.2	4.8	4.9	4.3	4.6	4.4	4.5	4.3	4.3	4.3	4.4	3.9	4.3	4.5	4.3	4.0	4.0
48	1	M	4.5	4.4	4.4	4.2	4.8	4.9	4.3	---	---	---	---	---	---	---	---	---	---	---	---	---
49	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
50	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
51	1	M	4.3	4.6	4.5	4.4	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.7	4.4	4.9	4.8	4.8	5.1	5.4	5.0	5.5
52	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
53	1	M	4.3	4.6	4.5	4.4	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.7	4.4	4.9	4.8	4.8	5.1	5.4	5.0	5.5
54	1	M	4.3	4.6	4.5	4.4	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.7	4.4	4.9	4.8	4.8	5.1	5.4	5.0	5.5
55	1	M	4.3	4.6	4.5	4.4	4.5	4.5	4.5	4.4	4.5	4.7	4.6	4.7	4.4	4.9	4.8	4.8	5.1	5.4	5.0	5.5
56	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
57	1	M	4.4	5.0	4.5	5.2	4.9	4.3	4.9	4.9	4.8	---	4.6	4.6	4.7	4.6	4.8	5.0	5.1	4.8	4.6	4.8
58	1	M	4.4	5.0	4.5	5.2	4.9	4.3	4.9	4.9	4.8	---	4.6	4.6	4.7	4.6	4.8	5.0	5.1	4.8	4.6	4.8
59	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
60	1	M	4.4	5.0	4.5	5.2	4.9	4.3	4.9	4.9	4.8	---	4.6	4.6	4.7	4.6	4.8	5.0	5.1	4.8	4.6	4.8
61	1	M	4.4	4.9	5.0	4.4	5.1	4.5	5.8	4.6	5.7	5.0	4.7	6.0	4.5	5.0	4.5	7.5	5.3	5.4	4.2	4.7
62	1	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
63	1	M	4.4	4.9	5.0	4.4	5.1	4.5	5.8	4.6	5.7	5.0	4.7	6.0	4.5	5.0	4.5	7.5	5.3	5.4	4.2	4.7
64	1	M	4.4	4.9	5.0	4.4	5.1	4.5	5.8	4.6	5.7	5.0	4.7	6.0	4.5	5.0	4.5	7.5	5.3	5.4	4.2	4.7
65	1	M	4.4	4.9	5.0	4.4	5.1	4.5	5.8	---	---	---	---	---	---	---	---	---	---	---	---	---
66	1	M	4.8	4.9	4.8	4.7	5.1	4.9	4.9	5.0	4.9	5.0	5.3	5.4	5.8	5.6	5.2	5.5	5.4	5.4	4.9	4.8
67	1	M	4.8	4.9	4.8	4.7	5.1	4.9	4.9	5.0	4.9	5.0	5.3	5.4	5.8	5.6	5.2	5.5	5.4	5.4	4.9	4.8
68	1	M	4.8	4.9	4.8	4.7	5.1	4.9	4.9	5.0	4.9	5.0	5.3	5.4	---	---	---	---	---	---	---	---
69	1	M	4.8	4.9	4.8	4.7	5.1	4.9	4.9	5.0	4.9	5.0	5.3	5.4	5.8	5.6	5.2	5.5	5.4	5.4	4.9	4.8
70	1	M	4.8	4.9	4.8	4.7	5.1	4.9	4.9	5.0	4.9	5.0	5.3	5.4	5.8	5.6	5.2	5.5	5.4	5.4	4.9	4.8
71	1	M	4.5	4.4	4.3	4.6	4.7	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.4	4.3	3.9	4.1	4.3	4.0
72	1	M	4.5	4.4	4.3	4.6	4.7	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.4	4.3	3.9	4.1	4.3	4.0
73	1	M	4.5	4.4	4.3	4.6	4.7	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.4	4.3	3.9	4.1	4.3	4.0
74	1	M	4.5	4.4	4.3	4.6	4.7	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.1	---	---	---	---	---	---
75	1	M	4.5	4.4	4.3	4.6	4.7	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.1	4.4	4.3	3.9	4.1	4.3	4.0
76	1	F	3.6	4.1	3.8	4.0	3.6	3.4	3.5	3.5	3.8	3.5	4.0	---	---	---	---	---	---	---	---	---
77	1	F	3.6	4.1	3.8	4.0	3.6	3.4	3.5	3.5	3.8	---	---	---	---	---	---	---	---	---	---	---
78	1	F	3.6	4.1	3.8	4.0	3.6	3.4	3.5	3.5	3.8	3.5	4.0	3.9	3.8	4.0	3.8	3.5	3.9	4.0	3.9	3.9
79	1	F	3.6	4.1	3.8	4.0	3.6	3.4	3.5	3.5	3.8	3.5	4.0	3.9	3.8	4.0	3.8	3.5	3.9	4.0	3.9	3.9
80	1	F	3.6	4.1	3.8	4.0	3.6	3.4	3.5	3.5	3.8	3.5	4.0	3.9	3.8	4.0	3.8	3.5	3.9	4.0	3.9	3.9

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO.	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
81	1	F	4.1	3.7	4.0	4.0	3.9	4.2	4.1	4.0	4.2	3.9	4.2	3.8	4.1	3.9	4.1	3.6	4.0	4.0	3.6	3.8
82	1	F	4.1	3.7	4.0	4.0	3.9	4.2	4.1	4.0	4.2	3.9	4.2	3.8	4.1	3.9	4.1	3.6	4.0	4.0	3.6	3.8
83	1	F	4.1	3.7	4.0	4.0	3.9	4.2	4.1	4.0	4.2	3.9	4.2	3.8	4.1	3.9	4.1	3.6	4.0	4.0	3.6	3.8
84	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
85	1	F	4.1	3.7	4.0	4.0	3.9	4.2	4.1	4.0	4.2	3.9	4.2	3.8	4.1	3.9	4.1	3.6	4.0	4.0	3.6	3.8
86	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
87	1	F	3.8	4.2	3.7	3.8	4.1	3.8	3.4	4.0	3.7	4.0	3.8	3.6	3.0	3.3	3.9	3.7	3.9	3.8	3.9	3.9
88	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
89	1	F	3.8	4.2	3.7	3.8	4.1	3.8	3.4	4.0	3.7	4.0	3.8	3.6	3.0	3.3	---	---	---	---	---	---
90	1	F	3.8	4.2	3.7	3.8	4.1	3.8	3.4	4.0	3.7	4.0	3.8	3.6	3.0	3.3	3.9	3.7	3.9	3.8	3.9	3.9
91	1	F	3.5	3.7	3.5	3.8	3.7	3.4	3.8	3.9	4.0	4.6	4.2	4.1	4.2	4.1	4.3	4.5	4.9	4.9	3.8	3.9
92	1	F	3.5	3.7	3.5	3.8	3.7	3.4	3.8	3.9	4.0	4.6	4.2	4.1	4.2	4.1	4.3	4.5	4.9	4.9	3.8	---
93	1	F	3.5	3.7	3.5	3.8	3.7	3.4	3.8	3.9	4.0	4.6	4.2	4.1	4.2	4.1	4.3	4.5	4.9	4.9	3.8	3.9
94	1	F	3.5	3.7	3.5	3.8	3.7	3.4	3.8	---	---	---	---	---	---	---	---	---	---	---	---	---
95	1	F	3.5	3.7	3.5	3.8	3.7	3.4	3.8	3.9	4.0	4.6	4.2	4.1	4.2	4.1	4.3	4.5	4.9	4.9	3.8	3.9
96		F	3.8	3.9	3.9	3.7	3.4	4.0	4.0	3.9	3.9	3.8	3.9	4.2	4.3	4.3	4.4	4.2	4.5	4.3	4.1	4.4
97	1	F	3.8	3.9	3.9	3.7	3.4	4.0	4.0	3.9	3.9	3.8	3.9	---	---	---	---	---	---	---	---	---
98	1	F	3.8	3.9	3.9	3.7	3.4	4.0	4.0	3.9	3.9	3.8	3.9	4.2	4.3	4.3	4.4	4.2	4.5	4.3	4.1	4.4
99	1	F	3.8	3.9	3.9	3.7	3.4	4.0	4.0	3.9	3.9	3.8	3.9	4.2	4.3	4.3	4.4	4.2	4.5	4.3	4.1	4.4
100	1	F	3.8	3.9	3.9	3.7	3.4	4.0	4.0	3.9	3.9	3.8	3.9	4.2	4.3	4.3	4.4	4.2	---	---	---	---
101	1	F	4.0	3.8	3.9	3.8	3.9	4.1	3.8	3.7	---	4.2	4.4	3.4	4.1	3.9	4.1	4.1	4.4	4.4	4.1	4.3
102	1	F	4.0	3.8	3.9	3.8	3.9	4.1	3.8	3.7	---	---	---	---	---	---	---	---	---	---	---	---
103	1	F	4.0	3.8	3.9	3.8	3.9	4.1	3.8	3.7	---	4.2	4.4	3.4	4.1	3.9	4.1	4.1	4.4	4.4	4.1	4.3
104	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
105	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
106	1	F	3.9	3.8	3.5	3.9	3.9	3.8	4.3	3.7	4.0	7.0	4.0	4.1	3.8	3.9	4.0	3.8	3.6	3.9	3.5	4.3
107	1	F	3.9	3.8	3.5	3.9	3.9	3.8	4.3	3.7	4.0	7.0	4.0	4.1	3.8	3.9	4.0	3.8	3.6	3.9		---
108	1	F	3.9	3.8	3.5	3.9	3.9	3.8	4.3	3.7	4.0	7.0	4.0	4.1	3.8	3.9	---	---	---	---	---	---
109	1	F	3.9	3.8	3.5	3.9	3.9	3.8	4.3	3.7	4.0	7.0	4.0	4.1	3.8	3.9	4.0	3.8	3.6	3.9	3.5	4.3
110	1	F	3.9	3.8	3.5	3.9	3.9	3.8	4.3	3.7	4.0	7.0	4.0	4.1	3.8	3.9	4.0	3.8	3.6	3.9	3.5	4.3
111	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
112	1	F	3.4	3.7	3.9	3.5	3.7	3.7	3.7	4.2	3.8	3.6	4.1	3.9	4.3	3.7	4.0	3.7	4.2	4.2	4.4	4.2
113	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
114	1	F	3.4	3.7	3.9	3.5	3.7	3.7	3.7	4.2	3.8	3.6	4.1	3.9	4.3	3.7	4.0	3.7	4.2	4.2	4.4	4.2
115	1	F	3.4	3.7	3.9	3.5	3.7	3.7	3.7	4.2	3.8	3.6	4.1	3.9	4.3	3.7	4.0	3.7	4.2	4.2	4.4	4.2
116	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
117	1	F	3.6	4.4	4.0	4.0	4.6	4.1	4.1	4.2	4.1	4.6	4.1	4.6	4.3	4.1	4.6	4.2	3.3	4.3	4.0	4.0
118	1	F	3.6	4.4	4.0	4.0	4.6	4.1	4.1	4.2	4.1	4.6	4.1	4.6	4.3	4.1	4.6	4.2	3.3	4.3	4.0	4.0
119	1	F	3.6	4.4	4.0	4.0	4.6	4.1	4.1	4.2	4.1	4.6	4.1	4.6	4.3	4.1	4.6	4.2	3.3	4.3	4.0	4.0
120	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
121	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
122	1	F	4.6	5.1	5.4	5.1	5.1	3.1	4.9	5.0	4.9	5.1	5.1	4.9	5.3	5.9	6.1	4.6	7.0	7.3	6.1	6.9
123	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
124	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
126	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
127	1	F	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
128	1	F	3.6	3.8	4.0	3.9	3.8	3.7	3.5	3.3	3.2	3.6	---	---	---	---	---	---	---	---	---	---
129	1	F	3.6	3.8	4.0	3.9	3.8	3.7	3.5	3.3	3.2	3.6	4.0	4.4	4.9	4.6	4.6	4.4	4.4	4.9	3.9	4.6
130	1	F	3.6	3.8	4.0	3.9	3.8	3.7	3.5	3.3	3.2	3.6	4.0	4.4	4.9	4.6	4.6	4.4	4.4	4.9	3.9	4.6
131	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
132	1	F	3.8	3.8	4.1	3.8	3.9	3.9	3.6	4.0	4.1	4.0	4.1	4.2	4.2	4.0	4.5	4.4	3.9	4.1	4.1	3.6
133	1	F	3.8	3.8	4.1	3.8	3.9	3.9	3.6	4.0	4.1	4.0	4.1	4.2	4.2	4.0	4.5	4.4	3.9	4.1	4.1	3.6
134	1	F	3.8	3.8	4.1	3.8	3.9	3.9	3.6	4.0	4.1	4.0	4.1	4.2	4.2	4.0	4.5	4.4	3.9	4.1	4.1	3.6
135	1	F	3.8	3.8	4.1	3.8	3.9	3.9	3.6	4.0	4.1	4.0	4.1	4.2	4.2	4.0	4.5	4.4	3.9	4.1	4.1	3.6
136	1	F	3.6	4.2	4.2	3.8	4.3	3.6	4.0	4.0	4.2	4.3	3.8	3.7	4.0	4.0	4.3	4.1	3.8	4.6	4.2	4.4
137	1	F	3.6	4.2	4.2	3.8	4.3	3.6	4.0	4.0	4.2	4.3	3.8	3.7	4.0	4.0	4.3	4.1	3.8	---	---	---
138	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
139	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
140	1	F	3.6	4.2	4.2	3.8	4.3	3.6	4.0	4.0	4.2	4.3	3.8	3.7	4.0	4.0	4.3	4.1	3.8	4.6	4.2	4.4
141	1	F	3.8	4.4	4.7	4.3	4.6	4.4	4.5	3.9	4.2	4.9	4.1	3.4	4.3	4.4	4.4	4.6	5.7	5.6	6.0	4.4
142	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
143	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
144	1	F	3.8	4.4	4.7	4.3	4.6	4.4	4.5	3.9	4.2	4.9	4.1	3.4	---	---	---	---	---	---	---	---
[illegible]	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
146	1	F	4.0	3.7	4.2	4.0	4.1	4.4	4.2	4.0	4.6	3.9	4.1	3.7	4.1	4.2	3.5	3.8	4.1	4.2	4.2	---
147	1	F	4.0	3.7	4.2	4.0	4.1	4.4	4.2	4.0	4.6	3.9	4.1	3.7	4.1	4.2	3.5	3.8	4.1	4.2	4.2	4.1
148	1	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
149	1	F	4.0	3.7	4.2	4.0	4.1	4.4	4.2	4.0	4.6	3.9	4.1	3.7	4.1	4.2	3.5	3.8	4.1	4.2	4.2	4.1
150	1	F	4.0	3.7	4.2	4.0	4.1	4.4	4.2	4.0	4.6	3.9	4.1	3.7	4.1	4.2	3.5	3.8	4.1	4.2	4.2	4.1
151	2	M	4.6	4.2	4.5	4.8	4.9	4.6	4.6	4.8	4.8	5.1	5.2	5.8	5.2	5.2	5.6	5.4	5.6	6.3	---	---
152	2	M	4.6	4.2	4.5	4.8	4.9	4.6	4.6	4.8	4.8	5.1	5.2	5.8	5.2	5.2	5.6	5.4	5.6	6.3	4.9	4.1
153	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
154	2	M	4.6	4.2	4.5	4.8	4.9	4.6	4.6	4.8	4.8	5.1	5.2	5.8	5.2	5.2	---	---	---	---	---	---
155	2	M	4.6	4.2	4.5	4.8	4.9	4.6	4.6	4.8	4.8	5.1	5.2	5.8	5.2	5.2	5.6	5.4	5.6	6.3	4.9	4.1
156	2	M	4.6	4.4	4.5	4.6	4.5	4.5	4.7	5.0	5.0	5.1	5.2	4.8	4.6	4.8	5.5	5.6	7.0	6.4	5.7	6.7
157	2	M	4.6	4.4	4.5	4.6	4.5	4.5	4.7	5.0	5.0	5.1	5.2	4.8	4.6	4.8	5.5	5.6	7.0	6.4	5.7	6.7
158	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
159	2	M	4.6	4.4	4.5	4.6	4.5	4.5	4.7	5.0	5.0	5.1	5.2	4.8	4.6	---	---	---	---	---	---	---
160	2	M	4.6	4.4	4.5	4.6	4.5	4.5	4.7	5.0	5.0	5.1	5.2	4.8	4.6	4.8	5.5	5.6	7.0	6.4	5.7	6.7

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
161	2	M	5.0	4.1	4.1	4.3	4.4	4.1	4.8	4.3	7.1	4.4	4.1	4.4	4.8	4.3	4.6	4.2	4.5	4.2	3.8	3.6
162	2	M	5.0	4.1	4.1	4.3	4.4	4.1	4.8	4.3	7.1	4.4	4.1	4.4	4.8	4.3	4.6	4.2	4.5	4.2	3.8	3.6
163	2	M	5.0	4.1	4.1	4.3	4.4	4.1	4.8	4.3	7.1	4.4	4.1	4.4	4.8	4.3	4.6	4.2	4.5	4.2	3.8	3.6
164	2	M	5.0	4.1	4.1	4.3	4.4	4.1	4.8	4.3	7.1	4.4	4.1	4.4	4.8	4.3	4.6	4.2	4.5	4.2	3.8	3.6
165	2	M	5.0	4.1	4.1	4.3	4.4	4.1	4.8	4.3	7.1	4.4	4.1	4.4	---	---	---	---	---	---	---	---
166	2	M	4.5	4.2	4.2	4.6	4.5	4.6	4.3	4.3	6.2	6.2	6.2	5.5	6.0	4.7	5.3	6.2	6.1	5.5	4.3	3.9
167	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
168	2	M	4.5	4.2	4.2	4.6	4.5	4.6	4.3	4.3	6.2	6.2	6.2	5.5	6.0	4.7	5.3	6.2	6.1	5.5	4.3	3.9
169	2	M	4.5	4.2	4.2	4.6	4.5	4.6	4.3	4.3	6.2	6.2	6.2	5.5	6.0	4.7	5.3	6.2	6.1	5.5	4.3	---
170	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
171	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
172	2	M	3.9	4.1	3.7	4.1	4.3	4.1	4.2	4.0	4.3	4.1	3.9	3.9	4.0	3.7	3.9	4.0	3.9	4.0	3.6	3.9
173	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
174	2	M	3.9	4.1	3.7	4.1	4.3	4.1	4.2	4.0	4.3	4.1	3.9	3.9	4.0	3.7	3.9	4.0	3.9	4.0	3.6	3.9
175	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
176	2	M	4.1	4.1	3.9	4.6	4.4	4.2	4.4	4.4	4.3	4.3	4.4	4.1	4.3	4.5	4.4	4.3	4.5	4.7	3.8	4.5
177	2	M	4.1	4.1	3.9	4.6	4.4	4.2	4.4	4.4	4.3	4.3	4.4	4.1	4.3	4.5	4.4	4.3	4.5	4.7	3.8	4.5
178	2	M	4.1	4.1	3.9	4.6	4.4	4.2	4.4	4.4	4.3	4.3	4.4	4.1	4.3	4.5	4.4	4.3	4.5	4.7	3.8	4.5
179	2	M	4.1	4.1	3.9	4.6	4.4	4.2	4.4	4.4	4.3	4.3	4.4	4.1	4.3	4.5	4.4	4.3	4.5	4.7	3.8	4.5
180	2	M	4.1	4.1	3.9	4.6	4.4	4.2	4.4	4.4	4.3	4.3	4.4	4.1	4.3	4.5	4.4	4.3	4.5	4.7	3.8	4.5
181	2	M	4.8	4.4	4.2	5.0	5.0	4.8	4.7	5.0	5.0	5.0	5.5	4.9	5.1	5.4	5.5	6.0	5.6	6.1	4.4	5.2
182	2	M	4.8	4.4	4.2	5.0	5.0	4.8	4.7	5.0	5.0	5.0	5.5	4.9	5.1	5.4	5.5	6.0	5.6	6.1	4.1	5.2
183	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
184	2	M	4.8	4.4	4.2	5.0	5.0	4.8	4.7	5.0	5.0	5.0	5.5	4.9	5.1	5.4	5.5	6.0	5.6	6.1	4.1	5.2
185	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
186	2	M	4.4	4.2	4.4	4.6	4.5	4.6	4.9	4.7	4.6	4.6	4.4	4.6	4.5	4.6	4.5	4.4	4.6	4.6	4.1	4.5
187	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
188	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
189	2	M	4.4	4.2	4.4	4.6	4.5	4.6	4.9	4.7	4.6	4.6	4.4	4.6	4.5	4.6	4.5	4.4	4.6	4.6	4.1	4.5
190	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
191	2	M	5.5	5.3	5.3	6.6	5.6	6.9	6.1	3.9	4.1	4.0	3.9	3.9	3.9	3.8	3.6	4.1	4.4	4.1	3.9	3.9
192	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
193	2	M	5.5	5.3	5.3	6.6	5.6	6.9	6.1	---	---	---	---	---	---	---	---	---	---	---	---	---
194	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
195	2	M	5.5	5.3	5.3	6.6	5.6	6.9	6.1	3.9	4.1	4.0	3.9	3.9	3.9	3.8	3.6	4.1	4.4	4.1	3.9	3.9
196	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
197	2	M	4.3	4.1	4.2	4.9	4.5	4.6	4.4	4.5	4.4	4.6	4.2	4.1	4.0	3.9	4.1	4.0	4.1	4.1	3.9	3.6
198	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
199	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
200	2	M	4.3	4.1	4.2	4.9	4.5	4.6	4.4	4.5	4.4	4.6	4.2	4.1	4.0	3.9	4.1	4.0	4.1	4.1	3.9	3.6

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
201	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
202	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
203	2	M	4.7	4.5	4.4	4.2	5.1	4.2	4.6	5.1	4.7	4.5	4.4	4.3	4.5	4.4	4.6	4.5	4.7	4.6	4.4	4.4
204	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
205	2	M	4.7	4.5	4.4	4.2	5.1	4.2	4.6	5.1	4.7	4.5	4.4	4.3	4.5	4.4	4.6	4.5	4.7	4.6	4.4	4.4
206	2	M	4.9	4.6	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
207	2	M	4.9	4.6	4.6	4.9	5.2	4.8	5.0	4.8	4.8	4.8	5.0	4.5	5.1	4.5	4.6	4.9	4.9	5.0	4.0	4.3
208	2	M	4.9	4.6	4.6	4.9	5.2	4.8	5.0	4.8	4.8	4.8	5.0	4.5	5.1	4.5	4.6	4.9	4.9	5.0	4.0	4.3
209	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
210	2	M	4.9	4.6	4.6	4.9	5.2	4.8	5.0	4.8	4.8	4.8	5.0	4.5	5.1	4.5	4.6	4.9	4.9	5.0	4.0	4.3
211	2	M	4.7	4.4	4.5	4.6	4.9	4.3	4.5	4.2	4.2	4.4	4.3	4.4	4.4	4.2	4.5	4.5	4.5	5.0	4.8	4.8
212	2	M	4.7	4.4	4.5	4.6	4.9	4.3	4.5	4.2	4.2	4.4	4.3	4.4	4.4	4.2	4.5	4.5	4.5	5.0	4.8	4.8
213	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
214	2	M	4.7	4.4	4.5	4.6	4.9	4.3	4.5	4.2	4.2	4.4	4.3	4.4	4.4	4.2	4.5	4.5	4.5	5.0	4.8	4.8
215	2	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
216	2	M	4.7	4.7	4.7	5.1	4.9	5.3	5.3	4.3	4.6	4.2	4.2	4.4	4.5	6.0	4.6	4.7	4.6	4.5	4.1	4.1
217	2	M	4.7	4.7	4.7	5.1	4.9	5.3	5.3	4.3	4.6	4.2	4.2	4.4	4.5	6.0	4.6	4.7	4.6	4.5	4.1	4.1
218	2	M	4.7	4.7	4.7	5.1	4.9	5.3	5.3	4.3	4.6	4.2	4.2	4.4	4.5	6.0	4.6	4.7	4.6	4.5	4.1	4.1
219	2	M	4.7	4.7	4.7	5.1	4.9	5.3	5.3	4.3	4.6	4.2	4.2	4.4	4.5	6.0	4.6	4.7	4.6	4.5	4.1	4.1
220	2	M	4.7	4.7	4.7	5.1	4.9	5.3	5.3	4.3	---	---	---	---	---	---	---	---	---	---	---	---
221	2	M	4.4	4.3	3.9	4.4	5.0	4.6	4.7	4.5	4.4	4.3	4.5	4.7	4.8	4.7	4.4	4.5	4.9	4.7	4.2	4.5
222	2	M	4.4	4.3	3.9	4.4	5.0	4.6	4.7	4.5	4.4	4.3	4.5	4.7	4.8	4.7	4.4	4.5	4.9	4.7	4.2	4.5
223	2	M	4.4	4.3	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
224	2	M	4.4	4.3	3.9	4.4	5.0	4.6	4.7	4.5	4.4	4.3	4.5	4.7	4.8	4.7	4.4	4.5	4.9	4.7	4.2	4.5
225	2	M	4.4	4.3	3.9	4.4	5.0	4.6	4.7	4.5	4.4	4.3	4.5	4.7	4.8	4.7	4.4	4.5	4.9	4.7	4.2	4.5
226	2	F	3.7	3.8	3.8	3.8	3.7	3.6	4.0	4.1	3.8	3.8	4.0	3.7	3.7	3.8	3.7	3.6	3.2	4.0	3.9	3.9
227	2	F	3.7	3.8	3.8	3.8	3.7	3.6	4.0	4.1	3.8	3.8	4.0	3.7	3.7	3.8	3.7	3.6	3.2	---	---	---
228	2	F	3.7	3.8	3.8	3.8	3.7	3.6	4.0	4.1	3.8	3.8	4.0	3.7	3.7	3.8	3.7	3.6	3.2	4.0	3.9	3.9
229	2	F	3.7	3.8	3.8	3.8	3.7	3.6	4.0	4.1	3.8	3.8	4.0	3.7	3.7	3.8	3.7	3.6	3.2	4.0	3.9	3.9
230	2	F	3.7	3.8	3.8	3.8	3.7	3.6	4.0	4.1	3.8	3.8	4.0	3.7	3.7	3.8	3.7	3.6	3.2	4.0	3.9	3.9
231	2	F	3.8	4.0	4.2	4.0	4.1	3.7	4.2	3.8	4.6	4.0	3.6	3.8	3.3	3.7	4.3	3.8	4.0	4.0	3.9	3.6
232	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
233	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
234	2	F	3.8	4.0	4.2	4.0	4.1	3.7	4.2	3.8	4.6	4.0	3.6	3.8	3.3	3.7	4.3	3.8	4.0	4.0	3.9	3.6
235	2	F	3.8	4.0	4.2	4.0	4.1	3.7	4.2	3.8	4.6	4.0	3.6	3.8	3.3	3.7	4.3	3.8	4.0	4.0	3.9	3.6
236	2	F	3.8	3.7	4.2	4.1	4.2	4.0	3.8	4.2	4.4	3.8	4.0	3.9	3.9	3.5	3.5	4.4	4.0	4.3	3.9	3.6
237	2	F	3.8	3.7	4.2	4.1	4.2	4.0	3.8	4.2	4.4	3.8	4.0	3.9	3.9	3.5	3.5	4.4	4.0	4.3	3.9	3.6
238	2	F	3.8	3.7	4.2	4.1	4.2	4.0	3.8	4.2	4.4	3.8	4.0	3.9	3.9	3.5	3.5	4.4	4.0	4.3	3.9	3.6
239	2	F	3.8	3.7	4.2	4.1	4.2	4.0	3.8	4.2	4.4	3.8	4.0	3.9	3.9	3.5	3.5	4.4	4.0	4.3	3.9	3.6
240	2	F	3.8	3.7	4.2	4.1	4.2	4.0	3.8	4.2	4.4	3.8	4.0	3.9	3.9	3.5	3.5	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
241	2	F	4.0	3.5	3.4	3.8	3.8	3.5	3.9	3.9	3.7	3.8	3.5	3.3	3.9	3.2	3.6	3.6	3.6	3.5	3.2	3.7
242	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
243	2	F	4.0	3.5	3.4	3.8	3.8	3.5	3.9	3.9	3.7	3.8	3.5	3.3	3.9	3.2	3.6	3.6	3.6	3.5	3.2	3.7
244	2	F	4.0	3.5	3.4	3.8	3.8	3.5	3.9	3.9	3.7	3.8	3.5	3.3	3.9	3.2	3.6	3.6	3.6	3.5	3.2	3.7
245	2	F	4.0	3.5	3.4	3.8	3.8	3.5	3.9	3.9	3.7	3.8	3.5	3.3	3.9	3.2	3.6	3.6	3.6	3.5	3.2	3.7
246	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
247	2	F	4.4	4.0	3.9	4.2	4.1	3.9	3.0	3.1	3.7	4.3	3.6	2.8	4.6	4.0	3.9	4.1	4.4	4.4	3.6	3.9
248	2	F	4.4	4.0	3.9	4.2	4.1	3.9	3.0	3.1	3.7	4.3	3.6	2.8	---	---	---	---	---	---	---	---
249	2	F	4.4	4.0	3.9	4.2	4.1	3.9	3.0	3.1	3.7	---	---	---	---	---	---	---	---	---	---	---
250	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
251	2	F	3.7	3.8	3.7	3.8	4.0	3.9	4.4	3.9	3.9	4.0	3.8	4.1	3.9	3.7	3.0	3.7	3.8	3.5	4.1	5.0
252	2	F	3.7	3.8	3.7	3.8	4.0	3.9	4.4	3.9	3.9	4.0	3.8	4.1	3.9	3.7	3.0	3.7	3.8	3.5	---	---
253	2	F	3.7	3.8	3.7	3.8	4.0	3.9	4.4	3.9	3.9	4.0	3.8	4.1	3.9	3.7	3.0	3.7	3.8	3.5	---	---
254	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
255	2	F	3.7	3.8	3.7	3.8	4.0	3.9	4.4	3.9	3.9	4.0	3.8	4.1	3.9	3.7	3.0	---	---	---	---	---
256	2	F	4.3	4.5	4.0	4.2	4.2	4.1	4.1	3.9	4.3	4.1	3.9	3.9	4.2	3.9	4.8	4.1	5.0	3.8	3.7	4.2
257	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
258	2	F	4.3	4.5	4.0	4.2	4.2	4.1	4.1	3.9	4.3	4.1	3.9	3.9	4.2	3.9	4.8	4.1	5.0	3.8	3.7	4.2
259	2	F	4.3	4.5	4.0	4.2	4.2	4.1	4.1	3.9	4.3	4.1	3.9	3.9	4.2	3.9	4.8	4.1	5.0	3.8	3.7	4.2
260	2	F	4.3	4.5	4.0	4.2	4.2	4.1	4.1	3.9	4.3	4.1	3.9	3.9	4.2	3.9	4.8	4.1	5.0	3.8	3.7	4.2
261	2	F	4.4	3.9	3.7	4.5	4.5	4.4	4.2	4.1	4.0	4.0	4.2	4.0	4.1	4.0	4.3	3.7	4.1	4.5	4.0	4.0
262	2	F	4.4	3.9	3.7	4.5	4.5	4.4	4.2	4.1	4.0	4.0	4.2	4.0	4.1	4.0	4.3	3.7	4.1	4.5	4.0	4.0
263	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
264	2	F	4.4	3.9	3.7	4.5	4.5	4.4	4.2	4.1	4.0	4.0	4.2	4.0	4.1	4.0	4.3	3.7	4.1	4.5	4.0	4.0
265	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
266	2	F	4.6	4.0	4.2	4.6	4.3	4.5	4.1	4.2	3.9	4.3	4.0	4.0	4.3	3.9	4.3	3.9	4.0	3.9	3.9	4.2
267	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
268	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
269	2	F	4.6	4.0	4.2	4.6	4.3	4.5	4.1	4.2	3.9	4.3	4.0	4.0	4.3	3.9	4.3	3.9	4.0	3.9	3.9	4.2
270	2	F	4.6	4.0	4.2	4.6	4.3	4.5	4.1	4.2	3.9	4.3	4.0	4.0	4.3	3.9	4.3	3.9	4.0	3.9	3.9	4.2
271	2	F	4.5	4.2	4.6	4.6	4.8	4.6	4.2	4.6	4.4	4.4	3.9	4.0	3.9	4.2	5.0	4.3	4.3	4.4	3.4	---
272	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
273	2	F	4.5	4.2	4.6	4.6	4.8	4.6	4.2	4.6	4.4	4.4	3.9	4.0	3.9	4.2	5.0	4.3	4.3	4.4	3.4	4.1
274	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
275	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
276	2	F	4.3	3.9	4.0	4.8	4.1	3.7	4.3	3.9	4.3	4.1	4.3	4.2	4.0	4.1	4.4	3.8	3.9	4.2	3.7	3.7
277	2	F	4.3	3.9	4.0	4.8	4.1	3.7	4.3	3.9	4.3	4.1	4.3	4.2	4.0	4.1	4.4	3.8	3.9	4.2	3.7	3.7
278	2	F	4.3	3.9	4.0	4.8	4.1	3.7	4.3	3.9	4.3	4.1	4.3	4.2	4.0	4.1	4.4	3.8	3.9	4.2	3.7	3.7
279	2	F	4.3	3.9	4.0	4.8	4.1	3.7	4.3	3.9	4.3	4.1	4.3	4.2	4.0	4.1	4.4	3.8	3.9	4.2	3.7	3.7
280	2	F	4.3	3.9	4.0	4.8	4.1	3.7	4.3	3.9	4.3	4.1	4.3	4.2	4.0	4.1	4.4	3.8	3.9	4.2	3.7	3.7

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
281	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
282	2	F	6.6	6.9	5.0	4.9	4.3	4.4	4.3	---	5.3	6.7	6.0	4.7	4.0	3.9	4.1	4.4	4.9	4.7	5.0	3.6
283	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
284	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
285	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
286	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
287	2	F	4.2	4.3	4.1	4.7	4.3	4.6	4.2	4.3	4.5	4.1	4.2	4.2	4.4	4.4	4.4	4.3	3.9	4.4	4.3	4.2
288	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
289	2	F	4.2	4.3	4.1	4.7	4.3	4.6	4.2	4.3	4.5	4.1	4.2	4.2	4.4	4.4	4.4	4.3	3.9	4.4	4.3	4.2
290	2	F	4.2	4.3	4.1	4.7	4.3	4.6	4.2	4.3	4.5	4.1	4.2	4.2	4.4	4.4	4.4	4.3	3.9	4.4	4.3	4.2
291	2	F	3.4	3.6	3.4	4.0	3.8	3.9	3.6	3.6	3.3	---	---	---	---	---	---	---	---	---	---	---
292	2	F	3.4	3.6	3.4	4.0	3.8	3.9	3.6	3.6	3.3	3.8	3.7	3.8	4.0	4.2	4.0	3.9	3.9	4.5	3.9	4.1
293	2	F	3.4	3.6	3.4	4.0	3.8	3.9	3.6	3.6	3.3	3.8	3.7	3.8	4.0	4.2	4.0	3.9	3.9	4.5	3.9	4.1
294	2	F	3.4	3.6	3.4	4.0	3.8	3.9	3.6	3.6	3.3	3.8	3.7	3.8	4.0	4.2	4.0	3.9	---	---	---	---
295	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
296	2	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
297	2	F	4.1	4.1	3.9	4.6	4.3	4.5	3.8	4.4	4.1	4.2	4.1	3.9	4.2	4.1	4.1	3.4	3.5	3.7	---	---
298	2	F	4.1	4.1	3.9	4.6	4.3	4.5	3.8	4.4	4.1	4.2	4.1	3.9	4.2	4.1	4.1	3.4	3.5	3.7	4.0	3.6
299	2	F	4.1	4.1	3.9	4.6	4.3	4.5	3.8	4.4	4.1	4.2	4.1	3.9	4.2	4.1	4.1	3.4	3.5	3.7	4.0	3.6
300	2	F	4.1	4.1	3.9	4.6	4.3	4.5	3.8	4.4	4.1	4.2	4.1	3.9	4.2	4.1	4.1	3.4	3.5	3.7	4.0	3.6
301	3	M	4.6	4.5	4.4	4.9	4.7	4.2	6.0	---	4.6	4.5	4.7	4.4	5.0	4.8	---	---	---	---	---	---
302	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
303	3	M	4.6	4.5	4.4	4.9	4.7	4.2	6.0	---	4.6	4.5	4.7	4.4	5.0	4.8	4.1	4.1	4.6	4.5	4.3	4.2
304	3	M	4.6	4.5	4.4	4.9	4.7	4.2	6.0	---	4.6	4.5	4.7	4.4	5.0	4.8	4.1	4.1	4.6	4.5	4.3	4.2
305	3	M	4.6	4.5	4.4	4.9	4.7	4.2	6.0	---	4.6	4.5	4.7	4.4	5.0	4.8	---	---	---	---	---	---
306	3	M	4.1	4.2	3.9	4.7	4.4	4.2	4.4	4.3	4.5	4.4	4.0	4.2	4.5	4.3	4.6	4.0	4.3	4.3	4.2	4.4
307	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
308	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
309	3	M	4.1	4.2	3.9	4.7	4.4	4.2	4.4	4.3	4.5	4.4	4.0	4.2	4.5	4.3	4.6	4.0	4.3	4.3	4.2	4.4
310	3	M	4.1	4.2	3.9	4.7	4.4	4.2	4.4	4.3	4.5	4.4	4.0	4.2	4.5	4.3	4.6	4.0	4.3	4.3	4.2	4.4
311	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
312	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
313	3	M	4.6	4.4	4.4	4.6	4.8	4.4	4.6	4.5	4.9	4.9	5.4	5.1	5.4	5.3	4.3	4.3	4.9	4.7	4.4	5.3
314	3	M	4.6	4.4	4.4	4.6	4.8	4.4	4.6	4.5	4.9	4.9	5.4	5.1	5.4	5.3	---	---	---	---	---	---
315	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
316	3	M	4.5	4.1	4.3	4.6	4.3	4.3	4.5	4.1	4.0	4.5	4.3	4.3	4.3	4.3	4.9	5.1	5.1	5.4	4.5	5.6
317	3	M	4.5	4.1	4.3	4.6	4.3	4.3	4.5	4.1	4.0	4.5	4.3	4.3	4.3	4.3	4.9	5.1	5.1	5.4	4.5	5.6
318	3	M	4.5	4.1	4.3	4.6	4.3	4.3	4.5	4.1	4.0	4.5	4.3	4.3	4.3	4.3	4.9	5.1	5.1	5.4	4.5	5.6
319	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
320	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
321	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
322	3	M	4.5	4.6	4.2	4.5	4.5	4.5	4.6	4.8	4.6	5.0	4.5	5.5	5.5	6.0	5.7	5.5	4.8	5.4	4.1	4.2
323	3	M	4.5	4.6	4.2	4.5	4.5	4.5	4.6	4.8	4.6	5.0	4.5	5.5	5.5	6.0	5.7	5.5	4.8	5.4	4.1	4.2
324	3	M	4.5	4.6	4.2	4.5	4.5	4.5	4.6	4.8	4.6	5.0	4.5	5.5	5.5	6.0	5.7	5.5	4.8	5.4	---	---
325	3	M	4.5	4.6	4.2	4.5	4.5	4.5	4.6	4.8	4.6	5.0	4.5	5.5	5.5	6.0	5.7	5.5	4.8	5.4	4.1	4.2
326	3	M	4.6	4.3	4.4	4.5	4.7	4.3	4.7	4.3	4.8	4.7	4.5	4.8	4.7	4.5	4.5	4.6	5.0	4.7	4.8	4.8
327	3	M	4.6	4.3	4.4	4.5	4.7	4.3	4.7	4.3	4.8	4.7	4.5	4.8	4.7	4.5	4.5	4.6	5.0	4.7	4.8	4.8
328	3	M	4.6	4.3	4.4	4.5	4.7	4.3	4.7	4.3	4.8	4.7	4.5	4.8	4.7	4.5	4.5	4.6	5.0	4.7	4.8	4.8
329	3	M	4.6	4.3	4.4	4.5	4.7	4.3	4.7	4.3	4.8	4.7	4.5	4.8	4.7	4.5	4.5	4.6	5.0	4.7	4.8	4.8
330	3	M	4.6	4.3	4.4	4.5	4.7	4.3	4.7	4.3	---	---	---	---	---	---	---	---	---	---	---	---
331	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
332	3	M	4.7	4.7	4.5	4.4	4.2	4.4	4.1	4.4	4.4	4.9	4.2	4.0	4.4	3.8	4.1	3.8	4.4	3.6	3.7	3.9
333	3	M	4.7	4.7	4.5	4.4	4.2	4.4	4.1	4.4	4.4	4.9	4.2	4.0	4.4	3.8	4.1	3.8	4.4	---	---	---
334	3	M	4.7	4.7	4.5	4.4	4.2	4.4	4.1	4.4	4.4	4.9	4.2	4.0	4.4	3.8	4.1	3.8	4.4	3.6	3.7	3.9
335	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
336	3	M	4.6	4.8	4.6	4.6	4.6	4.4	4.9	5.0	4.9	5.1	4.9	5.1	5.1	4.8	4.6	5.1	---	---	---	---
337	3	M	4.6	4.8	4.6	4.6	4.6	4.4	4.9	5.0	4.9	5.1	4.9	5.1	5.1	4.8	4.6	5.1	5.8	5.7	5.0	4.8
338	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
339	3	M	4.6	4.8	4.6	4.6	4.6	4.4	4.9	5.0	4.9	5.1	4.9	5.1	5.1	4.8	4.6	5.1	5.8	5.7	5.0	4.8
340	3	M	4.6	4.8	4.6	4.6	4.6	4.4	4.9	5.0	4.9	5.1	4.9	5.1	5.1	4.8	4.6	5.1	5.8	5.7	5.0	4.8
341	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
342	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
343	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
344	3	M	4.6	4.4	4.5	4.9	4.6	4.6	4.4	1.9	4.8	4.7	4.7	4.5	4.5	4.5	4.6	4.3	4.3	4.5	3.5	4.4
345	3	M	4.6	4.4	4.5	4.9	4.6	4.6	4.4	1.9	4.8	4.7	4.7	4.5	4.5	4.5	4.6	4.3	4.3	4.5	3.5	4.4
346	3	M	4.1	3.8	4.0	4.1	4.2	4.0	4.3	4.1	4.1	4.2	3.7	3.7	4.0	3.7	3.7	3.7	3.5	3.6	3.6	3.6
347	3	M	4.1	3.8	4.0	4.1	4.2	4.0	4.3	4.1	4.1	4.2	3.7	3.7	4.0	3.7	3.7	3.7	3.5	3.6	3.6	3.6
348	3	M	4.1	3.8	4.0	4.1	4.2	4.0	4.3	4.1	4.1	4.2	3.7	3.7	4.0	3.7	3.7	3.7	3.5	3.6	3.6	3.6
349	3	M	4.1	3.8	4.0	4.1	4.2	4.0	4.3	4.1	4.1	4.2	3.7	3.7	4.0	3.7	3.7	3.7	3.5	3.6	3.6	3.6
350	3	M	4.1	3.8	4.0	4.1	4.2	4.0	4.3	4.1	4.1	4.2	3.7	3.7	4.0	3.7	3.7	3.7	3.5	3.6	3.6	3.6
351	3	M	4.0	4.2	4.7	4.6	5.3	5.0	4.8	4.3	4.5	4.5	4.3	4.3	4.3	4.5	4.4	4.5	4.7	4.5	4.1	4.0
352	3	M	4.0	4.2	4.7	4.6	5.3	5.0	4.8	4.3	4.5	4.5	4.3	4.3	4.3	4.5	4.4	4.5	4.7	4.5	4.1	4.0
353	3	M	4.0	4.2	4.7	4.6	5.3	5.0	4.8	4.3	4.5	4.5	4.3	4.3	4.3	4.5	4.4	4.5	4.7	4.5	4.1	4.0
354	3	M	4.0	4.2	4.7	4.6	5.3	5.0	4.8	4.3	4.5	4.5	4.3	4.3	4.3	4.5	4.4	4.5	4.7	4.5	4.1	4.0
355	3	M	4.0	4.2	4.7	4.6	5.3	5.0	4.8	4.3	4.5	4.5	4.3	4.3	4.3	4.5	4.4	4.5	4.7	4.5	4.1	4.0
356	3	M	4.4	4.4	4.6	5.1	4.8	4.4	4.6	4.9	4.8	4.9	4.9	4.6	5.3	4.9	6.0	5.8	5.1	5.2	4.9	5.1
357	3	M	4.4	4.4	4.6	5.1	4.8	4.4	4.6	4.9	4.8	4.9	4.9	4.6	5.3	4.9	6.0	5.8	5.1	5.2	4.9	5.1
358	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
359	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
360	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
361	3	M	4.9	4.5	4.8	5.1	4.9	4.9	4.4	4.6	4.8	5.3	5.4	4.6	5.9	---	6.8	7.9	7.5	6.9	---	---
362	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
363	3	M	4.9	4.5	4.8	5.1	4.9	4.9	4.4	4.6	4.8	5.3	5.4	4.6	5.9	---	6.8	7.9	7.5	6.9	---	---
364	3	M	4.9	4.5	4.8	5.1	4.9	4.9	4.4	4.6	4.8	5.3	5.4	4.6	5.9	---	6.8	7.9	7.5	6.9	---	---
365	3	M	4.9	4.5	4.8	5.1	4.9	4.9	4.4	4.6	4.8	5.3	5.4	4.6	5.9	---	6.8	7.9	7.5	6.9	---	---
366	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
367	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
368	3	M	5.1	5.3	4.6	5.3	4.9	4.6	4.9	4.6	4.3	4.9	4.6	4.3	4.0	4.3	4.4	4.3	4.9	4.6	4.6	4.9
369	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
370	3	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
371	3	M	4.8	4.5	5.0	5.2	4.9	4.7	4.5	4.4	4.4	4.4	---	---	---	---	---	---	---	---	---	---
372	3	M	4.8	4.5	5.0	5.2	4.9	4.7	4.5	4.4	4.4	4.4	4.4	4.4	4.9	4.6	5.0	4.6	4.6	5.6	5.0	5.3
373	3	M	4.8	4.5	5.0	5.2	4.9	4.7	4.5	4.4	4.4	4.4	4.4	4.4	4.9	4.6	5.0	4.6	4.6	5.6	5.0	5.3
374	3	M	4.8	4.5	5.0	5.2	4.9	4.7	4.5	4.4	4.4	4.4	4.4	4.4	4.9	4.6	5.0	4.6	4.6	5.6	5.0	5.3
375	3	M	4.8	4.5	5.0	5.2	4.9	4.7	4.5	4.4	4.4	4.4	4.4	4.4	4.9	4.6	5.0	4.6	4.6	5.6	5.0	5.3
376	3	F	4.2	3.9	4.1	4.7	4.2	4.5	4.4	4.3	5.2	4.5	4.4	4.2	4.0	4.4	4.2	4.0	4.2	4.6	3.9	4.3
377	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
378	3	F	4.2	3.9	4.1	4.7	4.2	4.5	4.4	4.3	5.2	4.5	4.4	4.2	4.0	4.4	4.2	4.0	4.2	4.6	3.9	4.3
379	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
380	3	F	4.2	3.9	4.1	4.7	4.2	4.5	4.4	4.3	5.2	4.5	4.4	4.2	4.0	4.4	4.2	4.0	4.2	4.6	3.9	4.3
381	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
382	3	F	4.0	4.0	3.4	4.0	4.0	4.3	4.0	4.3	4.0	4.3	4.1	3.7	3.6	3.6	3.7	3.0	4.0	4.1	3.9	3.9
383	3	F	4.0	4.0	3.4	4.0	4.0	4.3	4.0	4.3	4.0	4.3	4.1	3.7	3.6	3.6	3.7	3.0	---	---		
384	3	F	4.0	4.0	3.4	4.0	4.0	4.3	4.0	4.3	4.0	4.3	4.1	3.7	3.6	3.6	3.7	3.0	4.0	4.1	3.9	3.9
385	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
386	3	F	3.8	3.7	3.9	5.7	3.7	3.7	3.7	3.5	3.7	4.0	3.7	3.6	3.7	3.5	3.8	3.9	3.8	3.6	3.1	3.5
387	3	F	3.8	3.7	3.9	5.7	3.7	3.7	3.7	3.5	3.7	4.0	3.7	3.6	3.7	3.5	3.8	3.9	3.8	3.6	3.1	3.5
388	3	F	3.8	3.7	3.9	5.7	3.7	3.7	3.7	3.5	3.7	4.0	3.7	3.6	3.7	3.5	3.8	3.9	3.8	3.6	3.1	3.5
389	3	F	3.8	3.7	3.9	5.7	3.7	3.7	3.7	3.5	3.7	4.0	3.7	3.6	3.7	3.5	3.8	3.9	3.8	3.6	3.1	3.5
390	3	F	3.8	3.7	3.9	5.7	3.7	3.7	3.7	3.5	3.7	4.0	3.7	3.6	3.7	3.5	3.8	3.9	3.8	3.6	3.1	3.5
391	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
392	3	F	4.4	4.4	4.1	4.6	4.6	3.6	4.1	4.4	4.6	4.9	4.6	4.1	3.9	4.6	4.2	4.5	4.7	4.4	4.1	4.3
393	3	F	4.4	4.4	4.1	4.6	4.6	3.6	4.1	4.4	4.6	4.9	4.6	4.1	3.9	4.6	4.2	4.5	4.7	4.4	4.1	4.3
394	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
395	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
396	3	F	3.7	3.6	3.7	4.1	3.9	3.9	4.1	3.8	4.4	3.8	4.0	3.6	3.8	3.8	3.9	3.9	4.1	4.0	3.4	3.4
397	3	F	3.7	3.6	3.7	4.1	3.9	3.9	4.1	3.8	4.4	3.8	4.0	3.6	3.8	3.8	3.9	3.9	4.1	4.0	3.4	3.4
398	3	F	3.7	3.6	3.7	4.1	3.9	3.9	4.1	3.8	4.4	3.8	4.0	3.6	3.8	3.8	3.9	3.9	4.1	4.0	3.4	3.4
399	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
400	3	F	3.7	3.6	3.7	4.1	3.9	3.9	4.1	3.8	4.4	3.8	4.0	3.6	3.8	3.8	3.9	3.9	4.1	4.0	3.4	3.4

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
401	3	F	4.2	4.2	4.5	4.7	4.8	4.9	4.8	5.0	4.9	3.3	4.2	3.9	4.1	4.1	3.7	3.9	---	---	---	---
402	3	F	4.2	4.2	4.5	4.7	4.8	4.9	4.8	5.0	4.9	3.3	---	---	---	---	---	---	---	---	---	---
403	3	F	4.2	4.2	4.5	4.7	4.8	4.9	4.8	5.0	4.9	3.3	4.2	3.9	4.1	4.1	3.7	3.9	4.6	4.4	4.3	4.3
404	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
405	3	F	4.2	4.2	4.5	4.7	4.8	4.9	4.8	5.0	4.9	3.3	4.2	3.9	4.1	4.1	3.7	3.9	4.6	4.4	4.3	4.3
406	3	F	4.2	4.0	4.2	4.3	4.1	4.3	4.2	4.3	3.7	4.4	4.6	4.3	4.0	4.2	3.8	4.4	4.4	4.5	4.2	4.8
407	3	F	4.2	4.0	4.2	4.3	4.1	4.3	4.2	4.3	3.7	4.4	4.6	4.3	4.0	4.2	3.8	4.4	4.4	4.5	4.2	4.8
408	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
409	3	F	4.2	4.0	4.2	4.3	4.1	4.3	4.2	4.3	3.7	4.4	4.6	4.3	4.0	4.2	3.8	---	---	---	---	---
410	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
411	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
412	3	F	4.4	4.9	3.9	4.6	4.5	4.1	4.6	4.6	4.5	4.1	4.8	3.8	4.3	4.7	4.0	4.4	4.7	4.5	4.4	4.2
413	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
414	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
415	3	F	4.4	4.9	3.9	4.6	4.5	4.1	4.6	4.6	4.5	4.1	4.8	3.8	4.3	4.7	4.0	4.4	4.7	4.5	4.4	4.2
416	3	F	3.6	3.5	3.6	4.0	3.9	3.8	3.6	4.5	3.8	3.6	3.8	3.6	3.6	3.6	3.8	3.7	3.8	3.7	3.8	3.8
417	3	F	3.6	3.5	3.6	4.0	3.9	3.8	3.6	4.5	3.8	3.6	3.8	3.6	3.6	3.6	3.8	3.7	3.8	3.7	3.8	3.8
418	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
419	3	F	3.6	3.5	3.6	4.0	3.9	3.8	3.6	4.5	3.8	3.6	3.8	3.6	3.6	3.6	3.8	3.7	3.8	3.7	3.8	3.8
420	3	F	3.6	3.5	3.6	4.0	3.9	3.8	3.6	4.5	3.8	3.6	3.8	3.6	3.6	3.6	3.8	3.7	3.8	3.7	3.8	3.8
421	3	F	4.3	4.1	3.9	4.3	4.4	3.6	4.2	4.5	4.2	4.0	3.9	---	---	---	---	---	---	---	---	---
422	3	F	4.3	4.1	3.9	4.3	4.4	3.6	4.2	4.5	4.2	4.0	3.9	4.1	3.9	4.3	4.4	4.2	4.3	4.3	4.2	4.1
423	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
424	3	F	4.3	4.1	3.9	4.3	4.4	3.6	4.2	4.5	4.2	4.0	3.9	4.1	3.9	4.3	4.4	4.2	4.3	4.3	4.2	4.1
425	3	F	4.3	4.1	3.9	4.3	4.4	3.6	4.2	4.5	4.2	4.0	3.9	4.1	3.9	4.3	4.4	4.2	4.3	4.3	4.2	4.1
426	3	F	3.7	3.7	3.6	3.6	3.7	3.7	3.6	3.9	3.8	3.8	3.8	3.3	4.3	4.1	4.0	3.8	3.8	4.0	3.5	3.8
427	3	F	3.7	3.7	3.6	3.6	3.7	3.7	3.6	3.9	3.8	3.8	3.8	3.3	4.3	4.1	4.0	3.8	3.8	4.0	3.5	3.8
428	3	F	3.7	3.7	3.6	3.6	3.7	3.7	3.6	3.9	3.8	3.8	3.8	3.3	4.3	4.1	4.0	3.8	3.8	4.0	3.5	3.8
429	3	F	3.7	3.7	3.6	3.6	3.7	3.7	3.6	3.9	3.8	3.8	3.8	3.3	4.3	---	---	---	---	---	---	---
430	3	F	3.7	3.7	3.6	3.6	3.7	3.7	3.6	3.9	3.8	3.8	3.8	3.3	4.3	4.1	4.0	3.8	3.8	4.0	3.5	3.8
431	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
432	3	F	4.3	4.0	3.5	4.0	4.4	3.7	4.5	4.5	3.8	4.4	3.9	3.8	4.3	3.8	4.6	4.0	3.8	4.3	3.9	4.1
433	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
434	3	F	4.3	4.0	3.5	4.0	4.4	3.7	4.5	4.5	3.8	4.4	3.9	3.8	4.3	3.8	4.6	4.0	3.8	4.3	3.9	4.1
435	3	F	4.3	4.0	3.5	4.0	4.4	3.7	4.5	4.5	3.8	4.4	3.9	3.8	4.3	3.8	4.6	4.0	3.8	4.3	3.9	4.1
436	3	F	4.3	3.8	3.7	4.4	4.4	3.7	4.6	4.4	4.3	4.3	4.2	4.0	4.3	4.0	4.4	4.3	4.2	4.0	4.3	4.3
437	3	F	4.3	3.8	3.7	4.4	4.4	3.7	4.6	4.4	4.3	4.3	4.2	4.0	4.3	4.0	4.4	4.3	4.2	4.0	4.3	4.3
438	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
439	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
440	3	F	4.3	3.8	3.7	4.4	4.4	3.7	4.6	4.4	4.3	4.3	4.2	4.0	4.3	4.0	4.4	4.3	4.2	4.0	4.3	4.3

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
441	3	F	3.6	4.2	3.5	4.2	4.0	4.1	4.2	4.1	4.1	4.1	3.9	4.1	4.3	4.0	4.1	4.4	4.0	4.3	4.1	4.3
442	3	F	3.6	4.2	3.5	4.2	4.0	4.1	4.2	4.1	4.1	4.1	3.9	4.1	4.3	4.0	4.1	4.4	4.0	4.3	4.1	4.3
443	3	F	3.6	4.2	3.5	4.2	4.0	4.1	4.2	4.1	4.1	4.1	3.9	4.1	4.3	4.0	4.1	4.4	4.0	4.3	4.1	4.3
444	3	F	3.6	4.2	3.5	4.2	4.0	4.1	4.2	4.1	4.1	4.1	3.9	4.1	4.3	4.0	4.1	4.4	4.0	4.3	4.1	4.3
445	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
446	3	F	3.8	3.9	3.9	3.9	4.1	3.8	3.7	3.8	3.6	3.9	3.8	3.6	3.8	3.8	3.9	3.8	3.8	4.2	3.6	3.8
447	3	F	3.8	3.9	3.9	3.9	4.1	3.8	3.7	3.8	3.6	3.9	3.8	3.6	3.8	3.8	3.9	3.8	3.8	4.2	3.6	3.8
448	3	F	3.8	3.9	3.9	3.9	4.1	3.8	3.7	3.8	3.6	3.9	3.8	3.6	3.8	3.8	3.9	3.8	3.8	4.2	3.6	3.8
449	3	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
450	3	F	3.8	3.9	3.9	3.9	4.1	3.8	3.7	3.8	3.6	3.9	3.8	3.6	3.8	3.8	3.9	3.8	3.8	4.2	3.6	3.8
451	4	M	5.0	4.7	5.1	4.9	5.2	4.7	4.9	4.5	4.5	5.1	4.7	4.8	5.0	4.9	5.1	4.9	5.4	5.3	5.0	5.2
452	4	M	5.0	4.7	5.1	4.9	5.2	4.7	4.9	4.5	4.5	5.1	4.7	4.8	5.0	4.9	5.1	4.9	5.4	5.3	5.0	5.2
453	4	M	5.0	4.7	5.1	4.9	5.2	4.7	4.9	4.5	4.5	5.1	4.7	4.8	5.0	4.9	5.1	4.9	5.4	5.3	5.0	5.2
454	4	M	5.0	4.7	5.1	4.9	5.2	4.7	4.9	4.5	4.5	5.1	4.7	4.8	5.0	4.9	5.1	4.9	5.4	5.3	5.0	5.2
455	4	M	5.0	4.7	5.1	4.9	5.2	4.7	4.9	4.5	4.5	5.1	4.7	4.8	5.0	4.9	5.1	4.9	5.4	5.3	5.0	---
456	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
457	4	M	4.5	4.4	4.5	4.3	4.4	4.3	4.5	4.4	4.4	4.1	4.2	4.1	3.9	4.2	4.1	3.2	---	---	---	---
458	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
459	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
460	4	M	4.5	4.4	4.5	4.3	4.4	4.3	4.5	4.4	4.4	4.1	4.2	4.1	3.9	4.2	4.1	3.2	4.0	4.9	4.0	4.4
461	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
462	4	M	6.0	5.9	5.6	5.4	5.9	5.0	5.4	5.5	5.1	5.7	5.3	6.3	6.2	5.9	4.9	5.0	4.3	4.4	4.3	3.9
463	4	M	6.0	5.9	5.6	5.4	5.9	5.0	5.4	5.5	5.1	5.7	5.3	6.3	6.2	5.9	4.9	5.0	---	---		---
464	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
465	4	M	6.0	5.9	5.6	5.4	5.9	5.0	5.4	5.5	5.1	5.7	5.3	6.3	6.2	5.9	4.9	5.0	4.3	4.4	4.3	3.9
466	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
467	4	M	6.9	6.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
468	4	M	6.9	6.6	4.5	5.3	5.2	4.2	4.4	5.4	4.7	5.6	4.3	4.9	5.4	5.2	5.4	4.6	5.1	4.6	4.4	5.1
469	4	M	6.9	6.6	4.5	5.3	5.2	4.2	4.4	5.4	4.7	5.6	4.3	4.9	5.4	5.2	5.4	4.6	5.1	4.6	4.4	5.1
470	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
471	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
472	4	M	4.4	4.4	4.7	4.5	4.2	4.2	4.6	4.5	4.1	4.3	4.3	4.1	4.5	4.5	5.1	5.1	4.8	5.1	4.2	4.3
473	4	M	4.4	4.4	4.7	4.5	4.2	4.2	4.6	4.5	4.1	4.3	4.3	4.1	4.5	4.5	5.1	5.1	4.8	5.1	4.2	4.3
474	4	M	4.4	4.4	4.7	4.5	4.2	4.2	4.6	4.5	4.1	4.3	4.3	4.1	4.5	4.5	5.1	5.1	4.8	5.1	4.2	4.3
475	4	M	4.4	4.4	4.7	4.5	4.2	4.2	4.6	4.5	4.1	4.3	4.3	4.1	4.5	4.5	5.1	5.1	4.8	5.1	4.2	4.3
476	4	M	5.2	4.6	4.9	5.6	5.4	5.3	5.2	4.8	4.1	4.3	4.8	4.9	4.7	5.0	4.7	5.6	5.3	5.4	4.8	5.1
477	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
478	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
479	4	M	5.2	4.6	4.9	5.6	5.4	5.3	5.2	4.8	4.1	4.3	4.8	4.9	4.7	5.0	4.7	5.6	5.3	5.4	4.8	5.1
480	4	M	5.2	4.6	4.9	5.6	5.4	5.3	5.2	4.8	4.1	4.3	4.8	4.9	4.7	5.0	4.7	5.6	5.3	5.4	4.8	5.1

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO	TR GROUP	SEX	TEST WEEK 67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
481	4	M	5.6	5.1	5.0	6.2	5.6	5.2	5.4	4.8	4.6	4.8	4.7	5.4	5.5	4.9	5.2	5.0	5.1	5.3	4.8	4.7
482	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
483	4	M	5.6	5.1	5.0	6.2	5.6	5.2	5.4	4.8	4.6	4.8	4.7	5.4	5.5	4.9	5.2	5.0	5.1	5.3	4.8	4.7
484	4	M	5.6	5.1	5.0	6.2	5.6	5.2	5.4	4.8	4.6	4.8	4.7	5.4	5.5	4.9	5.2	5.0	5.1	5.3	4.8	4.7
485	4	M	5.6	5.1	5.0	6.2	5.6	5.2	5.4	4.8	4.6	4.8	4.7	5.4	5.5	4.9	5.2	5.0	5.1	5.3	4.8	4.7
486	4	M	5.6	5.1	4.8	5.2	5.4	5.7	5.5	5.3	4.9	4.8	5.4	5.5	4.8	5.0	5.1	5.0	5.0	5.6	4.9	5.2
487	4	M	5.6	5.1	4.8	5.2	5.4	5.7	5.5	5.3	4.9	4.8	5.4	5.5	4.8	5.0	5.1	5.0	5.0	5.6	4.9	5.2
488	4	M	5.6	5.1	4.8	5.2	5.4	5.7	5.5	5.3	4.9	4.8	5.4	5.5	4.8	5.0	5.1	5.0	5.0	5.6	4.9	5.2
489	4	M	5.6	5.1	4.8	5.2	5.4	5.7	5.5	5.3	4.9	4.8	5.4	5.5	4.8	5.0	5.1	5.0	5.0	5.6	4.9	5.2
490	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
491	4	M	5.2	5.2	5.1	4.9	5.2	5.2	5.5	4.9	5.1	5.1	5.0	4.7	4.9	5.0	5.4	5.2	4.6	4.8	---	---
492	4	M	5.2	5.2	5.1	4.9	5.2	5.2	5.5	4.9	5.1	5.1	5.0	4.7	4.9	5.0	5.4	5.2	4.6	4.8	5.8	6.9
493	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
494	4	M	5.2	5.2	5.1	4.9	5.2	5.2	5.5	4.9	5.1	5.1	5.0	4.7	4.9	5.0	5.4	5.2	4.6	4.8	5.8	6.9
495	4	M	5.2	5.2	5.1	4.9	5.2	5.2	5.5	4.9	5.1	5.1	5.0	4.7	4.9	5.0	5.4	5.2	4.6	4.8	5.8	6.9
496	4	M	5.9	5.3	4.6	5.8	4.2	4.2	4.5	4.7	4.6	4.3	4.4	4.6	4.0	4.7	5.1	4.1	4.9	4.4	4.0	3.9
497	4	M	5.9	5.3	4.6	5.8	4.2	4.2	4.5	4.7	4.6	4.3	4.4	4.6	4.0	4.7	---	---	---	---	---	---
498	4	M	5.9	5.3	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
499	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
500	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
501	4	M	4.9	4.9	5.8	5.7	4.5	4.4	4.4	4.7	4.3	4.4	4.7	4.5	4.5	4.6	4.4	4.5	4.6	4.4	3.9	4.1
502	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
503	4	M	4.9	4.9	5.8	5.7	4.5	4.4	4.4	4.7	4.3	4.4	4.7	4.5	4.5	4.6	4.4	4.5	4.6	4.4	3.9	4.1
504	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
505	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
506	4	M	5.4	4.9	5.1	5.1	5.2	5.1	5.0	5.1	4.6	5.6	5.6	6.4	6.4	7.0	6.8	---	7.3	7.5	7.1	8.0
507	4	M	5.4	4.9	5.1	5.1	5.2	5.1	5.0	5.1	4.6	5.6	5.6	6.4	6.4	7.0	6.8	---	7.3	7.5	7.1	8.0
508	4	M	5.4	4.9	5.1	5.1	5.2	5.1	5.0	5.1	4.6	5.6	5.6	6.4	6.4	7.0	6.8	---	7.3	7.5	7.1	8.0
509	4	M	5.4	4.9	5.1	5.1	5.2	5.1	5.0	5.1	4.6	5.6	5.6	6.4	6.4	7.0	6.8	---	---	---	---	---
510	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
511	4	M	5.7	4.8	4.7	4.9	4.8	4.7	4.4	4.4	4.8	4.7	4.6	4.7	4.5	4.7	4.6	4.4	4.7	4.5	4.1	5.0
512	4	M	5.7	4.8	4.7	4.9	4.8	4.7	4.4	4.4	4.8	4.7	4.6	4.7	4.5	4.7	4.6	4.4	4.7	4.5	4.1	5.0
513	4	M	5.7	4.8	4.7	4.9	4.8	4.7	4.4	4.4	4.8	4.7	4.6	4.7	4.5	4.7	4.6	4.4	4.7	4.5	4.1	5.0
514	4	M	5.7	4.8	4.7	4.9	4.8	4.7	4.4	4.4	4.8	4.7	4.6	4.7	4.5	4.7	4.6	4.4	4.7	4.5	4.1	5.0
515	4	M	5.7	4.8	4.7	4.9	4.8	4.7	4.4	4.4	4.8	4.7	4.6	4.7	4.5	4.7	4.6	4.4	4.7	4.5	4.1	5.0
516	4	M	5.0	5.0	4.8	5.3	5.2	5.0	5.1	5.5	5.0	5.8	6.1	5.3	5.7	5.4	5.7	5.9	6.0	4.4	3.7	4.3
517	4	M	5.0	5.0	4.8	5.3	5.2	5.0	5.1	5.5	5.0	5.8	6.1	5.3	5.7	5.4	5.7	5.9	6.0	4.4	3.7	4.3
518	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
519	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
520	4	M	5.0	5.0	4.8	5.3	5.2	5.0	5.1	5.5	5.0	5.8	6.1	5.3	5.7	5.4	5.7	5.9	6.0	---	---	---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

ANIMAL NO.	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
			TEST WEEK																			
521	4	M	7.2	5.8	6.1	7.2	6.4	5.5	5.5	5.5	5.6	5.7	6.4	6.0	6.3	7.1	6.4	---	6.7	6.7	6.4	6.1
522	4	M	7.2	5.8	6.1	7.2	6.4	5.5	5.5	5.5	5.6	5.7	6.4	6.0	6.3	7.1	6.4	---	6.7	6.7	6.4	6.1
523	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
524	4	M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
525	4	M	7.2	5.8	6.1	7.2	6.4	5.5	5.5	5.5	5.6	5.7	6.4	6.0	6.3	7.1	6.4	---	6.7	6.7	6.4	6.1
526	4	F	4.1	4.0	3.9	3.7	3.9	4.1	4.3	4.7	4.3	4.7	4.2	4.4	4.5	4.5	4.8	4.3	4.8	4.8	4.1	4.4
527	4	F	4.1	4.0	3.9	3.7	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
528	4	F	4.1	4.0	3.9	3.7	3.9	4.1	4.3	4.7	4.3	4.7	4.2	4.4	4.5	4.5	4.8	4.3	4.8	4.8	4.1	4.4
529	4	F	4.1	4.0	3.9	3.7	3.9	4.1	4.3	4.7	4.3	4.7	4.2	4.4	4.5	4.5	4.8	4.3	4.8	4.8	4.1	4.4
530	4	F	4.1	4.0	3.9	3.7	3.9	4.1	4.3	4.7	4.3	4.7	4.2	4.4	4.5	4.5	4.8	4.3	4.8	4.8	4.1	4.4
531	4	F	5.5	5.0	5.0	4.5	4.4	4.7	4.6	4.9	4.8	5.2	5.3	4.5	4.4	4.9	5.6	4.6	4.3	5.1	3.8	3.9
532	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
533	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
534	4	F	5.5	5.0	5.0	4.5	4.4	4.7	4.6	4.9	4.8	5.2	5.3	4.5	4.4	4.9	5.6	4.6	4.3	5.1	3.8	3.9
535	4	F	5.5	5.0	5.0	4.5	4.4	4.7	4.6	4.9	4.8	5.2	5.3	4.5	4.4	4.9	5.6	4.6	4.3	5.1	3.8	3.9
536	4	F	3.9	4.3	3.8	3.5	3.8	3.7	3.7	3.6	4.0	3.6	4.1	4.3	3.8	6.5	4.3	3.7	3.9	4.0	3.6	3.5
537	4	F	3.9	4.3	3.8	3.5	3.8	3.7	3.7	3.6	4.0	3.6	4.1	4.3	3.8	6.5	4.3	3.7	3.9	4.0	3.6	3.5
538	4	F	3.9	4.3	3.8	3.5	3.8	3.7	3.7	3.6	4.0	3.6	4.1	4.3	3.8	6.5	4.3	3.7	3.9	4.0	3.6	3.5
539	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
540	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
541	4	F	3.5	3.8	3.9	3.9	4.2	4.0	4.2	4.1	4.1	3.6	3.8	3.8	4.0	3.8	3.9	3.7	3.3	3.4		---
542	4	F	3.5	3.8	3.9	3.9	4.2	4.0	4.2	4.1	4.1	3.6	3.8	3.8	4.0	3.8	3.9	3.7	3.3	3.4	3.1	3.7
543	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
544	4	F	3.5	3.8	3.9	3.9	4.2	4.0	4.2	4.1	4.1	3.6	3.8	3.8	4.0	3.8	3.9	3.7	3.3	3.4	3.1	3.7
545	4	F	3.5	3.8	3.9	3.9	4.2	4.0	4.2	4.1	4.1	3.6	3.8	3.8	4.0	3.8	3.9	3.7	3.3	3.4	3.1	3.7
546	4	F	4.7	4.8	3.6	5.1	4.5	4.6	4.5	4.6	4.3	4.6	6.1	5.8	5.8	8.0	8.1	5.7	5.7	5.9	4.2	7.4
547	4	F		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
548	4	F	4.7	4.8	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
549	4	F	4.7	4.8	3.6	5.1	4.5	4.6	4.5	4.6	4.3	4.6	6.1	5.8	5.8	8.0	8.1	5.7	5.7	5.9	4.2	---
550	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
551	4	F	5.3	4.8	4.8	4.4	5.1	4.6	4.3	5.2	4.8	5.1	5.6	5.5	5.7	6.2	7.2	5.1	5.0	6.3	5.3	5.5
552	4	F	5.3	4.8	4.8	4.4	5.1	4.6	4.3	5.2	4.8	5.1	5.6	5.5	5.7	6.2	7.2	5.1	5.0	6.3	5.3	5.5
553	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
554	4	F	5.3	4.8	4.8	4.4	5.1	4.6	4.3	5.2	4.8	5.1	5.6	5.5	5.7	6.2	7.2	5.1	5.0	6.3	5.3	5.5
555	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
556	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---
557	4	F	4.2	3.4	3.6	3.9	4.1	3.6	3.9	4.0	4.1	4.0	4.1	3.8	4.1	4.4	4.5	4.3	4.1	4.3	4.0	4.1
558	4	F	4.2	3.4	3.6	3.9	4.1	3.6	3.9	4.0	4.1	4.0	4.1	3.8	4.1	4.4	4.5	4.3	4.1	4.3	4.0	4.1
559	4	F	4.2	3.4	3.6	3.9	4.1	3.6	3.9	4.0	4.1	4.0	4.1	3.8	4.1	4.4	4.5	4.3	4.1	4.3	4.0	4.1
560	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---

--- = NO AVAILABLE DATA

Table VII.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

			TEST WEEK																			
ANIMAL NO	TR GROUP	SEX	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	104
561	4	F	4.3	3.7	4.1	4.1	4.6	4.6	4.4	4.8	4.7	4.6	5.3	5.6	5.2	5.6	5.8	5.2	4.7	5.0	5.0	4.6
562	4	F	4.3	3.7	4.1	4.1	4.6	4.6	4.4	4.8	4.7	4.6	5.3	5.6	5.2	5.6	5.8	5.2	4.7	5.0	5.0	4.6
563	4	F	4.3	3.7	4.1	4.1	4.6	4.6	4.4	4.8	4.7	4.6	5.3	5.6	5.2	5.6	5.8	5.2	4.7	5.0	5.0	4.6
564	4	F	4.3	3.7	4.1	4.1	4.6	4.6	4.4	4.8	4.7	4.6	5.3	5.6	5.2	5.6	5.8	5.2	4.7	5.0	---	---
565	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
566	4	F	4.1	4.1	3.8	3.8	4.0	3.9	4.4	4.0	4.2	4.0	4.5	4.3	4.5	4.2	4.7	4.4	4.8	4.6	3.9	4.3
567	4	F	4.1	4.1	3.8	3.8	4.0	3.9	4.4	4.0	4.2	4.0	4.5	4.3	4.5	4.2	4.7	4.4	4.8	4.6	3.9	4.3
568	4	F	4.1	4.1	3.8	3.8	4.0	3.9	4.4	4.0	4.2	4.0	4.5	4.3	4.5	4.2	4.7	4.4	4.8	4.6	3.9	4.3
569	4	F	4.1	4.1	3.8	3.8	4.0	3.9	4.4	4.0	4.2	4.0	4.5	4.3	4.5	4.2	4.7	4.4	4.8	4.6	3.9	4.3
570	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
571	4	F	4.7	4.2	3.5	4.0	4.1	3.4	4.0	4.0	3.8	4.3	4.3	4.3	4.1	4.7	4.6	4.0	4.7	5.0	4.4	4.5
572	4	F	4.7	4.2	3.5	4.0	4.1	3.4	4.0	4.0	3.8	4.3	4.3	4.3	4.1	4.7	4.6	4.0	4.7	5.0	4.4	4.5
573	4	F	4.7	4.2	3.5	4.0	4.1	3.4	4.0	4.0	3.8	4.3	4.3	4.3	4.1	4.7	4.6	4.0	4.7	5.0	4.4	4.5
574	4	F	4.7	4.2	3.5	4.0	4.1	3.4	4.0	4.0	3.8	4.3	4.3	4.3	4.1	4.7	4.6	4.0	4.7	5.0	4.4	4.5
575	4	F	4.7	4.2	3.5	4.0	4.1	3.4	4.0	4.0	3.8	4.3	4.3	4.3	4.1	4.7	4.6	4.0	4.7	5.0	4.4	4.5
576	4	F	4.2	4.1	3.8	4.4	4.0	3.7	4.0	4.4	4.5	4.0	4.0	4.3	4.2	4.1	3.7	4.2	3.8	4.2	3.1	3.1
577	4	F	4.2	4.1	3.8	4.4	4.0	3.7	4.0	4.4	4.5	4.0	4.0	4.3	4.2	4.1	3.7	4.2	3.8	4.2	3.1	3.1
578	4	F	4.2	4.1	3.8	4.4	4.0	3.7	4.0	4.4	4.5	4.0	4.0	4.3	4.2	4.1	3.7	4.2	3.8	4.2	3.1	3.1
579	4	F	4.2	4.1	3.8	4.4	4.0	3.7	4.0	4.4	4.5	4.0	4.0	4.3	4.2	4.1	3.7	4.2	3.8	4.2	3.1	3.1
580	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
581	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
582	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
583	4	F	5.2	5.5	4.9	5.1	5.2	4.4	5.2	5.5	5.4	4.6	4.8	5.8	6.2	6.6	7.9	6.8	6.3	6.7	6.4	6.4
584	4	F	5.2	5.5	4.9	5.1	5.2	4.4	5.2	5.5	5.4	4.6	4.8	5.8	6.2	6.6	7.9	6.8	6.3	6.7	6.4	6.4
585	4	F	5.2	5.5	4.9	5.1	5.2	4.4	5.2	5.5	5.4	4.6	4.8	5.8	6.2	6.6	7.9	6.8	6.3	6.7	6.4	6.4
586	4	F	5.0	4.9	4.3	4.7	4.5	4.4	4.4	4.9	4.5	4.5	5.0	4.4	4.6	5.6	5.4	5.1	6.6	5.3	5.0	5.4
587	4	F	5.0	4.9	4.3	4.7	4.5	4.4	4.4	4.9	4.5	4.5	5.0	4.4	4.6	5.6	5.4	5.1	6.6	5.3	5.0	5.4
588	4	F	5.0	4.9	4.3	4.7	4.5	4.4	4.4	4.9	4.5	4.5	5.0	4.4	4.6	5.6	5.4	5.1	6.6	5.3	5.0	5.4
589	4	F	5.0	4.9	4.3	4.7	4.5	4.4	4.4	4.9	4.5	4.5	5.0	4.4	4.6	5.6	5.4	5.1	6.6	5.3	5.0	5.4
590	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
591	4	F	3.8	3.8	3.9	3.7	4.0	3.6	4.2	3.9	3.5	4.0	4.1	5.0	4.2	5.0	4.1	4.8	4.3	4.9	4.4	4.9
592	4	F	3.8	3.8	3.9	3.7	4.0	3.6	4.2	3.9	3.5	4.0	4.1	5.0	4.2	5.0	4.1	4.8	4.3	4.9	4.4	4.9
593	4	F	3.8	3.8	3.9	3.7	4.0	3.6	4.2	3.9	3.5	4.0	4.1	5.0	4.2	5.0	4.1	4.8	4.3	4.9	4.4	4.9
594	4	F	3.8	3.8	3.9	3.7	4.0	3.6	4.2	3.9	3.5	4.0	4.1	5.0	4.2	5.0	4.1	4.8	4.3	4.9	4.4	4.9
595	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
596	4	F	5.1	4.9	5.7	5.2	4.5	4.3	4.5	5.2	4.4	4.6	5.3	6.0	4.9	5.6	6.4	5.9	5.6	6.6	6.9	5.0
597	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
598	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
599	4	F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
600	4	F	5.1	4.9	5.7	5.2	4.5	4.3	4.5	5.2	4.4	4.6	5.3	6.0	4.9	5.6	6.4	5.9	5.6	6.6	6.9	5.0

--- = NO AVAILABLE DATA

Table VII.4a

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 14

ANIMAL NO	GROUP	SEX	HCT %	HGB g/dl	MCV um3	MCH pg	MCHC g/dl	RBC x10^6/mm3	WBC x10^3/mm3	PLT x10^3/mm3	IMM NEUT %WBC	MNEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
3	1	M	49.3	19.0	45	17.6	38.8	10.90	10.1	554	0	13	87	0	0	0	0	3.0	0	0	0.00
17	1	M	49.4	19.0	46	17.7	38.4	10.80	8.2	1132	0	13	85	2	0	0	0	1.4	0	0	0.00
28	1	M	49.1	19.2	46	18.1	39.3	10.68	7.9	1168	0	18	81	1	0	0	0	2.5	0	0	0.00
29	1	M	46.4	18.8	45	17.2	39.4	10.75	10.1	1012	0	20	77	2	1	0	0	1.9	0	0	0.00
37	1	M	46.4	17.9	45	17.2	38.6	10.38	9.5	611	0	22	75	3	0	0	0	1.3	0	0	0.57
47	1	M	40.1	16.6	47	18.4	40.2	8.81	18.7	1082	0	37	63	0	0	0	0	1.8	0	0	0.14
66	1	M	47.2	18.3	46	18.0	39.0	10.26	8.8	1162	0	15	82	3	0	0	0	1.8	0	---	0.00
68	1	M	46.7	18.0	45	17.4	38.6	10.44	10.0	680	0	19	80	1	0	0	0	2.2	0	0	0.90
70	1	M	45.6	18.2	46	17.2	38.8	10.38	10.3	736	0	12	85	3	0	0	0	0.9	0	0	0.00
73	1	M	41.9	16.8	44	16.7	38.8	9.79	12.5	760	0	17	82	1	0	0	0	2.1	0	0	0.00
87	1	F	43.7	18.0	45	17.4	40.0	10.15	3.7	992	0	5	93	2	0	0	0	2.2	0	0	0.00
97	1	F	47.4	18.6	45	17.6	39.0	10.52	4.4	786	0	10	89	1	0	0	0	2.5	0	0	0.00
102	1	F	48.2	18.9	45	17.6	39.2	10.75	---	670	0	4	96	0	0	0	0	1.4	0	0	0.00
109	1	F	42.8	18.0	45	18.0	41.2	9.82	4.6	635	0	6	91	3	0	0	0	1.3	0	0	0.00
133	1	F	47.7	18.9	45	17.8	39.8	10.62	6.4	1142	0	6	93	1	0	0	0	1.8	0	0	0.13
134	1	F	41.9	17.4	46	17.8	40.4	9.50	3.5	768	0	9	90	1	0	0	0	1.3	0	0	0.48
135	1	F	41.4	16.5	45	17.0	39.2	9.52	4.6	578	0	3	96	1	0	0	0	1.7	0	0	0.96
147	1	F	44.7	18.2	44	18.4	41.1	9.97	5.5	700	0	11	88	1	0	0	0	0.9	0	0	0.47
148	1	F	43.5	17.7	46	17.6	39.6	9.82	4.5	580	0	6	94	0	0	0	0	0.9	0	0	0.00
149	1	F	47.4	19.1	44	17.7	40.2	10.81	5.5	1177	0	13	86	1	0	0	0	1.4	0	0	0.00
151	2	M	46.9	18.6	44	17.6	39.5	10.54	12.6	1018	0	19	81	0	0	0	0	1.3	0	1	0.00
163	2	M	46.0	18.2	44	17.7	39.5	10.34	11.0	726	0	14	85	1	0	0	0	3.1	0	0	1.09
166	2	M	47.7	18.4	44	17.0	38.4	10.81	---	659	0	13	87	0	0	0	0	---	0		0.00
169	2	M	49.0	19.1	44	17.4	39.2	11.04	7.7	942	0	10	90	0	0	0	0	1.2	0	1	0.00
205	2	M	44.0	18.2	46	17.8	40.3	10.00	6.0	724	0	13	82	5	0	0	0	---	0		0.00
206	2	M	48.3	18.1	46	17.3	37.5	10.48	8.9	879	0	15	84	1	0	0	0	1.6	0	0	0.05
211	2	M	41.1	16.6	48	18.2	39.4	8.90	11.5	1162	0	15	82	3	0	0	0	1.9	0	0	0.00
216	2	M	43.5	18.0	44	17.1	40.2	10.28	7.6	930	0	14	85	1	0	0	0	1.3	0	0	0.10
224	2	M	44.1	18.1	44	17.2	40.0	10.28	8.3	717	0	12	88	0	0	0	0	1.7	0	0	0.05
225	2	M	41.8	17.0	44	16.8	39.6	9.86	10.1	1040	0	12	82	6	0	0	0	1.2	0	0	0.38
241	2	F	41.9	17.1	44	16.9	39.7	9.86	3.5	725	0	7	88	5	0	0	0	1.5	0	0	0.53
256	2	F	45.7	18.2	44	17.8	39.8	10.24	7.6	779	0	5	94	1	0	0	0	2.1	0	0	0.00
258	2	F	49.2	19.0	45	17.4	38.6	10.97	4.9	1082	0	9	91	0	0	0	0	2.7	0	0	0.00
259	2	F	46.9	18.1	45	17.5	38.6	10.39	8.0	981	0	8	91	1	0	0	0	---	0	---	0.19
260	2	F	42.7	18.1	46	18.2	41.2	9.71	4.8	662	0	9	88	3	0	0	0	1.1	0	0	0.00
286	2	F	45.4	18.4	46	17.6	39.6	10.28	6.9	570	0	10	88	2	0	0	0	0.6	0	0	0.24
289	2	F	47.9	18.7	46	17.6	38.7	10.62	3.9	761	0	9	91	0	0	0	0	1.2	0	0	0.00
291	2	F	44.6	18.3	45	17.4	39.9	10.29	5.7	742	0	11	87	2	0	0	0	0.9	0	0	0.43
293	2	F	43.6	17.8	45	17.2	39.6	10.07	7.0	599	0	8	91	1	0	0	0	1.3	0	0	0.00
299	2	F	49.6	19.3	45	17.6	39.2	11.06	5.2	833	0	6	92	2	0	0	0	1.2	0	0	0.09

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 14

ANIMAL NO	TR GROUP	SEX	HCT /	HGB g/dl	MCV um^3	MCH pg	MCHC g/dl	RBC $x10^6/mm^3$	WBC $x10^3/mm^3$	PLT $x10^3/mm^3$	IMNEUT %WBC	MNEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
304	3	M	51.6	19.7	46	17.5	38.2	11.32	7.7	1158	0	9	91	0	0	0	0	2.1	0	0	0.00
314	3	M	44.9	17.0	46	17.4	38.0	9.83	10.8	852	0	18	77	5	0	0	0	2.0	0	---	0.00
316	3	M	44.4	17.5	45	17.0	38.6	10.14	12.4	996	0	10	90	0	0	0	0	2.3	0	1	0.00
326	3	M	34.0	13.9	44	17.4	40.0	7.79	11.3	888	0	36	59	5	0	0	0	1.3	0	---	0.87
328	3	M	42.0	17.0	45	17.2	39.5	9.72	8.9	760	0	38	61	1	0	0	0	2.3	0	1	0.00
337	3	M	45.0	18.2	45	17.2	39.4	10.34	8.5	938	0	7	92	1	0	0	0	2.0	0	0	0.00
348	3	M	47.7	18.0	45	17.0	37.7	10.65	7.9	726	0	11	88	0	1	0	0	1.4	0	0	0.00
355	3	M	45.0	18.6	44	17.2	40.3	10.54	8.4	748	0	16	83	1	0	0	0	1.9	0	0	0.00
365	3	M	42.7	16.8	46	18.5	39.4	9.08	10.7	1060	0	13	87	0	0	0	0	1.5	1	0	0.14
369	3	M	46.5	18.3	44	17.6	39.4	10.52	11.2	978	0	9	91	0	0	0	0	1.3	0	1	0.61
376	3	F	43.1	17.8	46	17.8	40.2	9.77	6.9	702	0	11	89	0	0	0	0	1.1	0	0	0.00
390	3	F	49.7	19.0	45	17.2	38.0	11.03	6.0	600	0	4	96	0	0	0	0	2.0	1	0	0.00
393	3	F	45.9	18.2	44	17.6	39.6	10.31	4.6	874	0	9	91	0	0	0	0	2.1	0	0	0.38
403	3	F	44.1	18.6	45	17.8	40.8	10.12	6.8	682	0	12	88	0	0	0	0	1.3	0	0	0.00
406	3	F	43.8	18.4	44	18.6	42.1	9.91	4.9	616	0	11	88	1	0	0	0	1.5	0	---	0.09
407	3	F	48.7	18.7	45	17.4	38.2	10.77	5.4	767	0	3	95	2	0	0	0	1.0	1	---	0.00
417	3	F	42.5	17.3	45	17.2	39.8	9.84	5.0	996	0	7	93	0	0	0	0	1.6	0	0	0.00
422	3	F	41.5	17.2	44	17.4	40.3	9.64	5.8	770	0	8	91	1	0	0	0	2.9	0	0	0.00
429	3	F	46.7	17.8	46	17.5	38.1	10.20	5.4	530	0	3	97	0	0	0	0	2.2	0	---	0.09
437	3	F	44.2	17.2	44	17.3	40.8	9.70	5.5	824	0	7	93	0	0	0	0	1.6	0	0	0.00
472	4	M	42.0	16.8	46	17.4	39.0	9.50	8.0	977	0	16	82	2	0	0	0	---	0	3	0.00
473	4	M	47.3	18.6	44	17.1	39.1	10.87	10.5	1013	0	10	85	5	0	0	0	2.5	0	3	0.00
481	4	M	49.2	18.2	46	17.0	37.0	10.76	7.7	946	0	11	86	3	0	0	0	•2.0	1	0	0.00
484	4	M	44.8	17.7	45	17.6	39.4	9.99	12.7	864	0	14	85	1	0	0	0	5.5	0	3	0.00
496	4	M	41.4	17.2	45	17.9	40.7	9.40	6.5	926	0	14	86	0	0	0	0	2.7	0	2	0.00
510	4	M	40.7	16.5	45	17.4	39.8	9.34	8.8	976	0	16	82	2	0	0	0	3.1	0	2	0.43
511	4	M	46.3	17.9	44	17.2	38.4	10.39	5.0	1084	0	10	90	0	0	0	0	2.4	0	1	0.52
512	4	M	48.0	17.8	46	17.0	37.0	10.48	8.3	859	0	14	85	1	0	0	0	3.0	0	2	---
513	4	M	45.0	18.4	44	17.2	39.9	10.52	9.6	750	0	6	93	1	0	0	0	1.3	0	---	0.00
514	4	M	43.2	17.9	45	17.4	40.2	9.98	7.6	884	0	16	83	1	0	0	0	1.7	0	2	0.00
519	4	F	45.9	17.4	46	17.5	38.2	10.05	5.1	710	0	5	95	0	0	0	0	2.2	0	2	0.00
552	4	F	41.0	17.3	45	17.9	41.0	9.43	11.1	789	0	10	89	1	0	0	0	2.2	0	1	0.34
557	4	F	43.2	17.5	45	17.4	39.8	9.94	-	780	0	15	81	4	0	0	0	2.9	1	1	0.38
558	1	F	44.8	17.8	44	17.9	39.8	9.96	-	751	0	9	91	0	0	0	0	2.1	0	1	0.00
563	4	F	40.0	16.5	45	17.8	40.6	9.11	7.3	822	0	10	90	0	0	0	0	1.9	0	1	0.00
573	4	F	45.7	17.8	45	17.5	39.0	10.19	5.4	726	0	8	92	0	0	0	0	3.1	0	2	0.00
584	4	F	46.3	17.9	45	17.3	38.6	10.36	4.1	696	0	9	91	0	0	0	0	2.0	1	0	0.00
587	4	F	48.4	18.4	46	17.6	38.1	10.52	4.5	636	0	7	93	0	0	0	0	2.7	0	1	0.00
591	4	F	42.6	17.7	45	17.6	40.4	9.79	7.3	872	0	19	80	1	0	0	0	1.6	1	1	0.05
600	4	F	42.9	17.2	46	17.2	39.0	9.74	5.9	781	0	19	80	1	0	0	0	2.6	0	2	0.00

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES   TEST WEEK 27

ANIMAL NO	GROUP	SEX	HCT %	HGB g/dl	MCV um^3	MCH pg	MCHC g/dl	RBC x 10^6/mm^3	WBC x 10^3/mm^3	PLT x 10^3/mm^3	IMNEUT %WBC	MNEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
6	1	M	42.2	15.4	45	16.6	36.7	9.44	12.3	1581	0	3	93	4	0	0	0	1.1	0	0	0.10
16	1	M	41.2	16.0	45	17.6	38.9	9.18	15.3	1368	0	36	57	7	0	0	0	1.4	0	---	0.10
24	1	M	45.4	17.2	46	17.5	38.1	9.95	6.6	1572	0	5	93	0	2	0	0	0.6	0	0	0.00
42	1	M	40.6	15.2	46	17.2	37.7	8.92	8.4	1612	0	11	86	3	0	0	0	1.2	0	1	0.00
45	1	M	41.1	15.8	44	17.2	38.6	9.29	5.9	1590	0	17	80	2	1	0	0	0.8	0	0	0.00
49	1	M	44.9	16.5	47	17.3	37.2	9.70	7.6	1080	0	5	89	3	3	0	0	0.3	0	1	0.21
52	1	M	43.2	16.3	46	17.4	37.9	9.46	9.2	1304	0	5	93	1	1	0	0	2.2	0	0	0.00
56	1	M	40.6	15.5	46	17.7	38.6	8.87	13.3	946	0	35	61	4	0	0	0	0.6	0	0	0.00
59	1	M	41.2	15.1	46	16.8	36.8	9.10	10.8	1785	0	13	85	2	0	0	0	0.5	0	0	0.00
62	1	M	42.5	16.2	44	16.8	38.3	9.76	5.2	2436	0	4	91	5	0	0	0	2.9	0	---	0.58
86	1	F	46.5	17.7	47	17.8	38.0	10.02	6.9	1244	0	11	89	0	0	0	0	1.4	0	0	0.10
88	1	F	43.7	16.4	44	16.8	37.9	9.95	6.3	1244	0	11	83	3	3	0	0	1.5	1	0	0.00
104	1	F	43.5	16.6	47	17.8	38.4	9.40	4.2	868	0	17	82	1	0	0	0	1.0	0	0	0.16
105	1	F	45.0	16.6	46	17.2	37.2	9.83	5.6	522	0	8	89	2	1	0	0	0.8	0	0	0.05
113	1	F	45.0	17.1	46	17.6	38.2	9.79	7.7	858	0	4	94	2	0	0	0	1.8	0	---	0.11
120	1	F	43.2	16.5	46	17.7	38.3	9.42	5.7	1440	0	6	88	6	0	0	0	1.4	0	0	0.05
125	1	F	44.4	16.8	46	17.6	38.0	9.66	3.6	740	0	6	94	0	0	0	0	1.4	0	0	0.00
131	1	F	40.6	15.6	47	18.4	39.0	8.65	4.0	1174	0	7	87	5	1	0	0	0.8	0	0	0.14
139	1	F	45.6	17.2	46	17.4	38.0	9.99	6.4	796	0	8	89	3	0	0	0	1.9	0	0	0.00
143	1	F	42.4	16.3	45	17.4	38.7	9.48	5.1	888	0	6	93	1	0	0	0	0.5	0	---	0.44
153	2	M	45.9	17.0	46	17.2	37.1	10.02	9.4	1208	0	12	87	1	0	0	0	0.7	0	0	0.00
158	2	M	38.7	14.4	44	16.8	37.6	8.73	10.5	1122	0	10	90	0	0	0	0	1.1	0	---	0.63
167	2	M	42.1	15.9	45	17.0	37.8	9.43	5.6	1399	0	6	92	2	0	0	0	1.4	0	0	0.00
171	2	M	40.6	15.2	46	17.4	37.7	8.86	10.0	2398	0	15	84	1	0	0	0	3.0	0	---	0.29
185	2	M	41.0	15.4	46	17.3	37.2	8.88	10.5	1900	0	3	96	1	0	0	0	0.9	0	0	0.05
187	2	M	42.1	15.9	45	17.0	37.7	9.36	11.4	1309	0	16	81	3	0	0	0	1.7	0	0	0.00
190	2	M	44.9	16.6	46	17.2	37.2	9.82	6.8	1219	0	10	87	3	0	0	0	0.8	0	0	0.11
192	2	M	43.7	16.5	45	17.2	37.9	[illegible]	8.6	1208	0	6	94	0	0	0	0	0.8	0	0	0.19
199	2	[illegible]	[illegible]	17.0	46	17.4	38.2	9.84	14.2	1214	0	4	95	1	0	0	0	1.3	0	0	0.10
215	2	M	44.1	16.4	46	17.2	37.4	9.63	7.4	1789	0	3	95	1	1	0	0	0.3	0	0	0.00
246	2	F	42.5	16.0	46	17.4	37.8	9.25	[illegible]	1166	0	9	91	0	0	0	0	1.3	0	0	0.05
250	2	F	41.6	16.2	44	17.4	39.0	9.42	4.6	1129	0	11	86	2	1	0	0	1.4	0	0	0.29
265	2	F	43.8	16.8	46	17.6	38.4	9.62	5.2	960	0	9	90	0	1	0	0	0.9	0	0	0.10
268	2	F	45.8	17.5	45	17.2	38.3	10.22	5.5	1552	0	8	92	0	0	0	1	0.8	0	---	0.19
274	2	F	45.5	17.0	46	17.4	37.4	9.86	6.5	892	0	4	94	1	1	0	0	1.3	0	0	0.00
281	2	F	44.1	17.1	46	18.1	39.2	9.58	6.6	1234	0	13	85	1	1	0	0	1.1	0	0	0.00
283	2	F	44.1	16.6	46	17.4	37.9	9.72	5.1	1226	0	5	92	3	0	0	0	1.6	0	1	0.00
285	2	F	41.7	15.6	46	17.6	37.7	9.02	6.7	1116	0	9	90	1	0	0	0	0.9	0	0	0.00
288	2	F	45.2	17.0	46	17.6	37.8	9.81	5.0	968	0	9	90	1	0	0	0	0.4	0	0	0.10
295	2	F	[illegible]	16.0	47	17.2	36.8	9.36	6.2	1675	0	9	88	3	0	0	0	1.6	0	0	0.10

--- - NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES TEST WEEK 27

ANIMAL NO	GROUP	SEX	HCT %	HGB g/dl	MCV um3	MCH pg	MCHC g/dl	RBC x 10^6 /mm3	WBC x 10^3 /mm3	PLT x 10^3 /mm3	IM NEUT %WBC	M NEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
302	3	M	44.5	16.6	46	17.2	37.6	9.77	8.4	1186	0	5	92	3	0	0	0	1.5	0	0	0.00
308	3	M	40.6	15.4	44	17.0	38.0	9.15	11.1	1643	0	10	89	1	0	0	0	0.9	0	0	0.00
321	3	M	44.5	16.5	46	17.2	37.4	9.73	13.[illegible]	1216	0	5	89	5	1	0	0	0.9	0	0	0.21
331	3	M	42.6	15.6	46	16.8	37.0	9.42	12.2	1160	0	10	88	2	0	0	0	0.7	0	---	0.16
338	3	M	42.7	16.4	45	17.5	38.6	9.48	16.4	669	0	4	94	1	1	0	0	0.9	0	1	0.21
341	3	M	40.1	15.2	45	17.3	38.4	8.93	11.6	1242	0	3	96	1	0	0	0	0.7	0	0	0.39
342	3	M	43.1	16.0	46	17.0	37.2	9.50	11.1	934	0	8	88	4	0	0	0	1.4	0	1	0.05
343	3	M	42.4	15.6	44	16.6	37.0	9.53	9.8	1922	0	8	89	2	1	0	0	0.8	0	0	0.00
358	3	M	42.2	15.9	45	17.2	37.9	9.38	9.2	1236	0	4	95	1	0	0	0	1.5	0	1	0.00
366	3	M	43.2	16.4	46	17.4	38.1	9.49	11.8	876	0	8	87	5	0	0	0	1.2	0	0	0.05
377	3	F	43.9	16.5	46	17.4	37.7	9.63	7.5	434	0	2	95	3	0	0	0	0.8	0	0	0.10
381	3	F	43.7	16.6	46	17.8	38.4	9.51	5.9	952	0	14	84	1	1	0	0	2.1	0	0	0.21
394	3	F	45.5	17.1	46	17.2	37.8	10.00	7.8	1090	0	9	89	2	0	0	0	1.2	0	1	0.00
399	3	F	45.3	16.6	47	17.3	37.2	9.79	6.8	1100	0	7	92	0	1	0	0	0.7	1	0	0.11
404	3	F	44.1	16.8	46	17.3	38.0	9.77	8.5	1020	0	3	95	2	0	0	0	2.8	0	0	0.05
418	3	F	43.6	16.8	46	17.8	38.6	9.52	3.2	960	0	14	85	1	0	0	0	1.6	0	---	0.00
433	3	F	41.4	15.5	45	17.0	37.6	9.21	5.6	1290	0	10	84	5	1	0	0	0.9	0	0	0.44
438	3	F	43.4	16.9	46	18.2	39.1	9.38	4.1	1334	0	8	91	1	0	0	0	0.3	0	0	0.05
445	3	F	45.3	17.4	46	17.8	38.9	9.90	6.7	1066	0	4	95	1	0	0	0	0.6	0	0	0.10
449	3	F	44.4	16.3	46	17.2	37.0	9.66	4.5	1428	0	1	99	0	0	0	0	1.5	0	0	0.10
459	4	M	40.7	15.2	47	17.6	37.5	8.76	12.2	1576	0	9	90	1	0	0	0	2.1	0	2	0.26
461	4	M	40.4	14.6	45	16.5	36.3	8.97	10.1	1792	0	10	89	0	1	0	0	1.4	0	1	0.14
464	4	M	39.9	14.8	46	17.[illegible]	37.2	8.75	7.9	2015	0	8	91	0	1	0	0	1.8	0	1	0.10
466	4	M	41.7	15.9	45	17.2	38.4	9.32	10.4	1676	0	6	93	1	0	0	0	1.1	0	0	0.00
478	4	M	39.3	14.9	45	17.2	38.0	8.76	9.8	1968	0	3	97	0	0	0	0	2.1	1	0	0.00
499	4	M	43.2	16.1	46	17.2	37.4	9.49	9.3	1768	0	7	92	0	1	0	0	1.5	1	1	0.05
504	4	M	40.9	15.2	44	16.4	37.2	9.41	11.5	2317	0	12	86	2	0	0	0	1.6	0	1	0.11
505	4	M	[illegible]7.3	14.0	44	16.6	37.6	8.53	14.6	2390	0	6	94	0	0	0	0	1.5	2	2	0.00
518	4	M	42.2	15.9	46	17.5	37.9	9.18	10.6	924	0	8	87	5	0	0	0	1.5	1	0	0.10
519	4	M	39.1	14.9	46	17.4	38.1	8.62	12.2	1909	0	1	99	0	0	0	0	2.3	0	---	0.68
532	4	F	41.7	15.6	46	17.4	37.9	9.08	5.8	1451	0	6	90	2	2	0	0	2.6	1	1	0.24
540	4	F	43.6	16.8	46	17.9	38.6	9.41	7.7	1632	0	8	92	0	0	0	0	1.6	0	0	0.19
547	4	F	43.4	16.4	46	17.4	38.0	9.50	7.6	1152	0	4	96	0	0	0	0	3.0	0	0	0.05
550	4	F	41.9	15.8	46	17.3	37.8	9.22	7.2	1612	0	15	81	4	0	0	0	1.6	1	2	0.00
560	4	F	43.2	16.4	46	17.4	38.2	9.48	4.1	631	0	10	82	7	1	0	0	1.3	0	2	0.11
580	4	F	45.4	16.8	46	17.0	37.3	9.99	7.5	792	0	7	90	3	0	0	0	0.7	0	1	0.00
581	4	F	45.0	16.9	46	17.1	37.5	9.95	9.5	1370	0	3	93	4	0	0	0	1.0	0	2	0.00
582	4	F	43.5	16.1	46	17.4	37.2	9.39	7.3	1162	0	11	85	4	0	0	0	1.2	1	---	0.16
590	4	F	42.5	16.2	46	17.6	38.4	9.32	7.2	1492	0	11	89	0	0	0	0	1.0	0	1	0.10
597	4	F	40.8	15.3	46	17.2	37.6	9.01	12.6	860	0	4	94	1	1	0	0	1.7	1	0	0.05

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4c

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES TEST WEEK 52

ANIMAL NO.	GROUP	SEX	HCT %	HGB g/dl	MCV um^3	MCH pg	MCHC g/dl	RBC $x10^6/mm^3$	WBC $x10^3/mm^3$	PLT $x10^3/mm^3$	IMNEUT %WBC	MNEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
1	1	M	41.7	15.6	47	18.0	37.8	8.67	10.7	1236	0	10	90	0	0	0	0	1.4	0	---	0.00
4	1	M	42.8	15.9	45	16.8	37.3	9.40	10.0	1449	0	8	92	0	0	0	0	1.6	0	0	0.26
12	1	M	41.9	15.2	45	16.6	36.6	9.16	6.2	1523	0	14	86	0	0	0	0	1.1	0	0	0.00
18	1	M	42.4	15.8	45	17.1	37.4	9.15	9.3	920	0	8	92	0	0	0	0	0.6	0	0	0.00
21	1	M	45.4	17.2	46	17.6	37.9	9.66	6.2	1379	0	8	92	0	0	0	0	1.0	0	0	0.05
26	1	M	43.5	15.6	46	16.6	35.8	9.31	7.5	2012	0	9	91	0	0	0	0	0.5	0	0	0.05
32	1	M	42.6	16.1	45	17.4	37.9	9.20	12.4	980	0	10	90	0	0	0	0	1.0	0	0	0.05
36	1	M	44.4	16.8	45	17.0	37.8	9.76	6.2	1334	0	8	91	1	0	0	0	0.8	0	0	0.00
44	1	M	42.5	15.8	45	17.0	37.2	9.19	6.7	2254	0	24	76	0	0	0	0	1.1	0	0	0.00
50	1	M	43.7	15.9	44	16.3	36.4	9.70	8.0	1983	0	16	84	0	0	0	0	1.2	0	0	0.00
84	1	F	42.9	16.3	44	17.0	38.1	9.50	8.5	1434	0	13	87	0	0	0	0	0.4	0	0	0.00
111	1	F	44.9	16.8	46	17.4	37.4	9.52	5.5	1105	0	14	86	0	0	0	0	1.1	0	0	0.10
116	1	F	45.9	17.4	47	17.9	37.8	9.63	5.8	936	0	10	90	0	0	0	0	1.2	0	0	0.00
121	1	F	41.9	16.0	45	17.4	38.2	9.14	6.0	1636	0	11	89	0	0	0	0	0.7	0	0	0.00
123	1	F	45.2	17.1	45	17.3	38.0	9.87	8.2	853	0	12	88	0	0	0	0	2.3	0	0	0.16
124	1	F	43.1	16.0	45	16.9	37.2	9.41	4.9	992	0	5	95	0	0	0	0	0.4	0	0	0.00
126	1	F	41.0	15.8	46	17.9	38.6	8.74	7.3	1170	0	9	91	0	0	0	0	1.3	0	0	0.00
138	1	F	45.0	17.0	46	17.4	37.9	9.77	7.4	1128	0	28	68	2	2	0	0	0.5	0	0	0.00
142	1	F	42.1	16.3	46	18.2	38.9	8.91	6.0	917	0	12	87	0	1	0	0	1.0	0	0	0.00
145	1	F	43.4	16.6	46	18.0	38.6	9.16	7.4	1112	0	7	93	0	0	0	0	1.0	0	0	0.00
170	2	M	46.6	17.3	47	17.6	37.0	9.73	11.1	757	0	8	92	0	0	0	0	0.4	0	0	0.00
173	2	M	41.6	15.4	45	16.8	37.0	9.06	13.2	1788	0	17	83	0	0	0	0	0.7	0	0	0.00
175	2	M	42.7	16.8	44	17.6	39.4	9.48	9.4	892	0	8	90	0	2	0	0	0.7	0	0	0.00
183	2	M	42.5	16.2	47	18.2	38.2	8.82	6.4	1180	0	22	78	0	0	0	0	1.1	0	0	0.21
188	2	M	41.8	15.3	46	17.0	36.8	8.98	8.7	1610	0	10	90	0	0	0	0	0.4	0	0	0.10
196	2	M	45.5	16.5	46	17.2	36.6	9.61	11.8	1704	0	14	86	0	0	0	0	0.8	0	0	0.00
198	2	M	41.6	15.8	46	17.6	38.2	8.88	10.1	1263	0	18	82	0	0	0	0	0.9	0	0	0.00
201	2	M	41.4	15.3	46	17.2	37.2	8.86	10.5	964	0	16	84	0	0	0	0	0.8	0	---	0.47
202	2	M	40.2	15.0	46	17.1	37.2	8.65	10.7	1236	0	13	87	0	0	0	0	1.0	0	0	0.00
213	2	M	41.2	15.2	44	16.6	36.9	9.05	12.3	1929	0	16	84	0	0	0	0	0.7	0	0	0.10
232	2	F	43.4	16.6	46	18.0	38.4	9.20	6.2	936	0	16	84	0	0	0	0	0.4	0	0	0.00
233	2	F	43.9	16.5	46	17.4	37.8	9.42	4.7	868	0	21	79	0	0	0	0	0.4	0	0	0.00
254	2	F	42.4	15.8	44	16.8	37.4	9.33	6.4	1343	0	10	90	0	0	0	0	0.5	0	0	0.05
257	2	F	41.7	16.4	44	17.8	39.6	9.16	6.0	702	0	24	75	1	0	0	0	0.5	0	0	0.00
263	2	F	44.2	17.1	46	18.0	38.6	9.43	6.2	879	0	21	78	1	0	0	0	0.4	0	0	0.00
267	2	F	44.9	17.0	46	17.8	37.8	9.46	5.0	1172	0	13	87	0	0	0	0	0.9	0	0	0.00
272	2	F	44.8	17.0	47	18.0	38.1	9.44	5.1	995	0	20	80	0	0	0	0	1.0	0	---	0.00
275	2	F	43.5	16.9	46	18.2	38.8	9.18	7.7	1524	0	17	83	0	0	0	0	0.7	0	0	0.00
284	2	F	45.5	17.2	46	17.5	38.0	9.80	6.5	1030	0	11	89	0	0	0	0	0.6	0	0	0.10
296	2	F	44.0	16.8	46	17.2	37.6	9.67	7.4	954	0	13	87	0	0	0	0	0.6	0	0	0.00

- NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 52

ANIMAL NO	GROUP	SEX	HCT %	HGB g/dl	MCV u m3	MCH pg	MCHC g/dl	RBC x 10^6 /mm3	WBC x 10^3 /mm3	PLT x 10^3 /mm3	IMNEUT %WBC	MNEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
307	3	M	41.1	15.1	45	16.9	37.0	8.87	7.0	1476	0	10	90	0	0	0	0	0.5	0	0	0.00
311	3	M	41.1	15.2	44	16.6	37.2	9.06	7.5	1436	0	6	93	0	1	0	0	0.7	0	0	0.00
312	3	M	41.0	16.1	46	17.0	37.3	9.06	6.9	1392	0	12	88	0	0	0	0	0.6	0	0	0.10
315	3	M	42.4	15.9	45	17.2	37.7	9.16	10.3	1255	0	18	82	0	0	0	0	1.2	0	0	0.05
319	3	M	42.6	15.8	45	17.0	37.2	9.22	7.8	1143	0	20	79	0	1	0	0	1.2	0	0	0.00
335	3	M	43.5	16.4	45	17.1	37.8	9.53	8.3	1305	0	12	88	0	0	0	0	0.4	0	---	0.10
359	3	M	41.4	15.9	44	17.3	38.5	9.10	10.4	880	0	10	89	0	1	0	0	1.0	0	0	0.16
360	3	M	43.5	16.2	46	17.2	37.2	9.32	10.5	1401	0	10	90	0	0	0	0	1.2	0	0	0.05
362	3	M	43.2	16.0	46	17.3	37.0	9.14	8.2	1628	0	14	85	1	0	0	0	0.2	0	---	0.10
367	3	M	43.6	16.3	45	17.1	37.2	9.44	9.6	1734	0	14	85	0	1	0	0	0.6	0	0	0.00
379	3	F	43.0	16.5	45	17.6	38.5	9.31	6.0	918	0	13	85	1	1	0	0	0.8	0	0	0.05
385	3	F	42.8	16.1	46	17.4	37.6	9.12	7.2	1136	0	22	78	0	0	0	0	1.2	0	---	0.00
391	3	F	44.0	16.6	47	18.0	37.7	9.20	5.6	842	0	12	88	0	0	0	0	1.3	0	0	0.00
395	3	F	43.6	16.2	47	17.6	37.1	9.11	5.2	1007	0	10	90	0	0	0	0	1.4	0	0	0.00
408	3	F	42.4	16.1	48	18.4	38.2	8.73	7.4	1182	0	10	88	0	2	0	0	1.3	0	0	0.00
411	3	F	43.4	16.4	44	17.2	38.0	9.49	6.8	888	0	6	94	0	0	0	0	1.1	0	0	0.00
413	3	F	42.5	15.6	45	16.8	37.1	9.33	6.0	1392	0	16	84	0	0	0	0	1.6	0	0	0.16
423	3	F	43.0	16.3	47	17.8	37.8	9.02	6.0	1181	0	14	86	0	0	0	0	0.6	0	0	0.00
431	3	F	44.5	16.5	45	17.0	37.2	9.72	7.8	1367	0	16	84	0	0	0	0	1.3	0	0	0.00
439	3	F	42.9	16.2	46	17.4	38.0	9.24	7.6	1012	0	16	84	0	0	0	0	1.4	0	0	0.00
456	4	M	40.0	14.8	45	16.8	37.0	8.68	12.0	1625	0	17	83	0	0	0	0	1.1	0	1	0.00
458	4	M	40.0	15.0	46	17.4	37.3	8.59	10.5	2217	0	15	85	0	0	0	0	1.9	0	2	0.10
470	4	M	40.7	14.8	45	16.5	36.4	8.92	10.2	1919	0	9	91	0	0	0	0	1.0	0	1	0.10
471	4	M	41.2	15.6	45	17.4	38.0	8.91	13.3	1434	0	10	90	0	0	0	0	1.6	0	0	0.00
477	4	M	42.0	16.1	44	17.2	38.2	9.30	5.1	581	0	9	90	1	0	0	0	1.0	0	0	0.10
490	4	M	40.9	15.0	45	16.8	36.6	8.81	15.8	2168	0	10	90	0	0	0	0	1.2	0	2	0.05
493	4	M	38.1	14.0	45	16.8	36.8	8.24	16.3	1516	0	41	58	1	0	0	0	0.6	0	2	0.00
[illegible]	4	M	39.2	14.9	45	17.5	38.2	8.47	11.3	1587	0	16	84	0	0	0	0	1.9	0	0	0.10
502	4	M	41.1	15.0	44	16.5	36.5	9.01	11.4	2240	0	11	87	0	2	0	0	---	0	1	0.00
523	4	M	39.4	14.3	44	16.2	36.5	8.83	14.9	2444	0	15	83	2	0	0	0	1.3	0	---	0.10
533	4	F	41.0	15.3	45	17.0	37.4	8.93	5.9	1371	0	12	88	0	0	0	0	1.1	0	0	0.10
539	4	F	44.6	16.5	46	17.2	37.0	9.56	8.7	905	0	3	97	0	0	0	0	2.3	1	1	0.05
543	4	F	43.1	16.3	45	17.4	38.1	9.35	7.6	1306	0	10	90	0	0	0	0	1.0	0	0	0.00
553	4	F	41.5	15.3	44	16.6	37.0	9.14	4.7	1628	0	11	89	0	0	0	0	0.8	1	1	0.00
555	4	F	44.8	16.3	45	17.8	39.4	9.13	6.7	773	0	7	93	0	0	0	0	1.4	0	1	0.00
556	4	F	42.7	16.2	46	17.6	38.0	9.07	7.6	1077	0	14	85	0	1	0	0	0.5	0	0	0.05
565	4	F	45.0	16.8	47	17.6	37.3	9.43	6.3	1150	0	14	86	0	0	0	0	1.7	0	0	0.05
570	4	F	42.2	16.2	46	17.8	38.6	9.04	6.6	1399	0	16	84	0	0	0	0	1.1	0	0	0.00
598	4	F	41.8	16.4	46	18.4	39.2	8.83	10.4	1376	0	6	93	0	1	0	0	0.8	0	0	0.00
599	4	F	40.6	16.2	45	18.2	40.2	8.80	4.9	1283	0	7	93	0	0	0	0	1.2	0	0	0.00

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4d

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 79

ANIMAL NO.	TR GROUP	SEX	HCT %	HGB g/dl	MCV um3	MCH pg	MCHC g/dl	RBC x10^6/mm3	WBC x10^3/mm3	PLT x10^3/mm3	IM NEUT %WBC	M NEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC/100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
3	1	M	54.8	19.7	41	15.0	36.4	13.38	8.3	630	0	30	67	2	1	0	0	1.8	0	0	0.00
17	1	M	44.6	15.8	45	16.4	36.0	9.76	12.0	509	0	17	81	2	0	0	0	0.7	0	0	0.00
28	1	M	43.9	16.2	46	17.2	37.5	9.54	12.7	636	0	12	87	0	1	0	0	1.3	0	0	0.00
29	1	M	46.7	17.3	47	17.8	37.9	9.92	7.0	567	0	14	86	0	0	0	0	1.9	0	0	0.00
37	1	M	47.4	17.3	44	16.5	37.0	10.60	8.2	695	0	22	78	0	0	0	0	1.4	0	0	0.00
66	1	M	47.0	16.8	47	17.0	36.1	9.94	9.5	553	0	23	76	0	1	0	0	1.0	0	0	0.00
68	1	M	45.2	16.3	44	16.7	36.9	9.92	14.6	416	0	11	86	2	1	0	0	0.2	0	0	0.05
70	1	M	42.6	15.5	47	17.5	37.2	8.96	11.5	429	0	18	81	1	0	0	0	1.3	0	0	0.00
73	1	M	48.3	17.4	44	16.4	36.6	10.81	13.4	516	0	20	77	1	2	0	0	0.9	0	0	0.00
87	1	F	42.1	15.6	45	17.3	38.2	9.21	4.9	602	0	11	85	3	1	0	0	1.9	0	0	0.00
97	1	F	36.0	13.1	46	17.3	37.0	7.61	9.7	420	0	26	72	2	0	0	0	1.7	0	0	0.00
109	1	F	45.5	16.9	46	17.5	37.7	9.73	5.4	438	0	21	79	0	0	0	0	0.9	0	0	0.00
129	1	F	45.6	17.1	46	17.3	38.1	9.98	5.7	373	0	9	89	2	0	0	0	0.9	0	0	0.00
133	1	F	44.8	16.6	47	17.9	37.8	9.38	5.0	524	0	23	75	1	1	0	0	0.2	0	0	0.00
134	1	F	42.7	16.1	44	16.9	38.4	9.63	8.7	486	0	15	85	0	0	0	0	1.7	1	0	0.00
135	1	F	45.2	16.6	45	17.0	37.5	9.99	5.2	366	0	17	80	3	0	0	0	0.8	1	0	0.00
147	1	F	44.7	16.2	47	17.4	37.0	9.45	4.5	397	0	19	81	0	0	0	0	0.2	0	0	0.11
149	1	F	41.8	16.0	46	18.0	39.1	8.98	3.8	497	0	19	80	0	1	0	0	1.2	1	0	0.00
151	2	M	46.0	17.0	47	17.6	37.5	9.79	---	571	0	13	87	0	0	0	0	---	1	---	0.00
154	2	M	46.6	16.4	44	15.8	36.0	10.53	9.3	570	0	19	79	2	0	0	0	1.5	0	0	0.00
163	2	M	43.2	16.0	46	17.6	37.8	9.23	13.4	506	0	22	78	0	0	0	0	1.2	0	0	0.00
166	2	M	45.4	16.6	44	16.6	37.4	10.17	8.9	379	0	10	90	0	0	0	0	0.7	0	0	0.00
169	2	M	50.8	18.7	44	16.4	37.4	11.58	12.3	584	0	15	84	0	1	0	0	0.9	0	0	0.00
205	2	M	42.0	16.0	46	17.6	38.6	9.12	13.0	644	0	31	68	0	1	0	0	0.3	0	0	0.00
211	2	M	45.8	16.6	45	16.8	37.0	10.06	9.0	788	0	10	89	0	1	0	0	0.8	0	0	0.00
216	2	M	44.5	16.2	45	16.8	37.2	9.83	10.8	403	0	10	89	0	1	0	0	0.4	0	0	0.00
224	2	M	43.2	15.9	45	17.0	37.6	9.48	7.3	427	0	37	63	0	0	0	0	0.4	0	0	0.00
225	2	M	45.0	16.4	45	16.5	36.6	9.84	10.6	525	0	17	78	2	3	0	0	0.9	0	1	0.00
241	2	F	44.5	16.2	44	16.7	37.2	9.86	4.8	418	0	15	84	1	0	0	0	0.9	0	0	0.00
256	2	F	44.5	16.2	46	17.2	37.2	9.61	3.5	507	0	27	72	0	1	0	0	0.4	0	0	0.00
258	2	F	45.7	16.2	46	16.8	36.1	9.81	6.8	380	0	26	72	1	1	0	0	0.5	1	0	0.05
259	2	F	44.5	16.2	47	17.6	37.2	9.31	7.4	480	0	9	90	1	0	0	0	0.7	0	0	0.00
260	2	F	47.0	16.9	46	16.9	36.4	10.10	4.8	414	0	16	83	1	0	0	0	0.3	0	0	0.00
273	2	F	46.7	17.1	48	17.8	37.4	9.77	7.3	527	0	14	84	1	1	0	0	0.5	0	0	0.00
289	2	F	44.5	15.9	48	17.4	36.4	9.24	3.8	372	0	18	80	1	1	0	0	0.7	0	0	0.05
291	2	F	43.4	15.9	46	17.3	37.3	9.31	3.2	407	0	40	55	5	0	0	0	0.9	0	0	0.00
293	2	F	46.5	16.9	44	16.7	37.1	10.30	7.8	249	0	19	80	1	0	0	0	1.6	0	0	0.00
299	2	F	42.6	16.0	46	17.7	38.4	9.21	6.4	532	0	15	84	1	0	0	0	1.5	0	0	0.00
304	3	M	41.8	15.4	46	17.6	37.6	8.83	9.0	408	0	14	86	0	0	0	0	0.5	0	0	0.00
314	3	M	48.6	17.4	43	15.7	36.4	11.20	13.9	439	0	15	85	0	0	0	0	1.2	0	0	0.00

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 79

ANIMAL NO	I R GROUP	SEX	HCT %	HGB g/dl	MCV um^3	MCH pg	MCHC g/dl	RBC $\times 10^6/mm^3$	WBC $\times 10^3/mm^3$	PLT $\times 10^3/mm^3$	IM NEUT %WBC	M NEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
316	3	M	46.3	16.9	45	16.6	36.8	10.26	12.3	495	0	13	86	1	0	0	0	0.8	0	0	0.00
326	3	M	42.5	15.6	44	16.6	37.7	9.54	15.6	506	0	21	79	0	0	0	0	1.2	0	0	0.00
328	3	M	42.6	15.1	46	16.8	36.3	9.14	14.3	497	0	9	91	0	0	0	0	0.8	1	1	0.00
337	3	M	45.8	16.9	46	17.2	37.4	9.94	7.6	580	0	7	91	1	1	0	0	0.7	0	1	0.00
348	3	M	44.6	15.8	46	16.9	36.1	9.45	9.7	404	0	17	77	5	1	0	0	0.9	0	0	0.00
349	3	M	44.5	15.8	44	16.0	36.0	10.05	10.3	511	0	11	88	1	0	0	0	1.8	0	0	0.00
355	3	M	45.3	16.0	46	16.7	35.9	9.70	12.2	614	0	18	77	4	1	0	0	1.0	0	0	0.00
365	3	M	43.5	15.8	46	17.0	37.0	9.40	8.4	434	0	14	84	1	1	0	0	2.5	0	0	0.00
376	3	F	42.7	15.6	45	16.8	37.1	9.38	5.7	285	0	24	72	0	4	0	0	0.6	0	0	0.11
390	3	F	45.5	16.1	46	16.7	36.0	9.77	5.4	273	0	22	76	0	2	0	0	0.3	0	0	0.22
393	3	F	42.8	15.9	47	18.0	38.0	8.95	4.2	421	0	16	83	1	0	0	0	0.9	0	0	0.00
403	3	F	43.7	16.0	46	17.4	37.6	9.32	5.1	459	0	34	60	6	0	0	0	0.8	0	0	0.00
406	3	F	44.5	16.3	46	17.6	37.4	9.41	5.6	400	0	21	79	0	0	0	0	0.4	0	0	0.00
407	3	F	45.9	16.5	46	17.1	36.6	9.82	8.2	305	0	9	88	2	1	0	0	1.0	0	0	0.00
417	3	F	44.0	16.1	44	16.5	37.4	9.89	6.8	475	0	11	86	3	0	0	0	1.4	0	0	0.00
422	3	F	43.4	16.3	48	18.4	38.4	9.00	3.6	407	0	25	73	2	0	0	0	1.5	0	0	0.00
429	3	F	44.0	15.6	47	17.0	36.0	9.30	4.0	198	0	31	68	1	0	0	0	0.6	0	0	0.11
437	3	F	45.3	17.1	45	17.4	38.6	9.96	6.9	390	0	29	66	2	3	0	0	0.6	0	0	0.00
460	4	M	42.8	15.6	46	17.2	37.2	9.21	9.7	410	0	14	82	3	1	0	0	0.9	0	1	0.00
472	4	M	43.4	15.2	46	16.4	35.6	9.35	19.2	486	0	9	91	0	0	0	0	0.6	0	1	0.00
473	4	M	40.9	15.3	45	17.4	38.2	8.92	8.6	490	0	13	85	1	1	0	0	1.0	0	2	0.00
484	4	M	41.2	15.1	46	17.4	37.6	8.82	13.1	538	0	7	91	2	0	0	0	0.5	0	0	0.00
496	4	M	43.9	15.4	47	17.1	36.0	9.21	11.3	553	0	15	84	0	1	0	0	1.2	0	1	0.00
503	4	M	44.8	15.6	43	15.5	35.6	10.28	5.0	658	0	12	86	0	2	0	0	2.2	0	2	0.00
511	4	M	40.9	14.8	46	16.9	36.6	8.77	11.0	406	0	8	92	0	0	0	0	0.7	0	0	0.00
512	4	M	41.2	14.6	44	16.2	36.4	9.15	11.3	393	0	29	71	0	0	0	0	1.0	1	2	0.11
513	4	M	41.7	14.9	45	16.4	36.5	9.20	14.9	468	0	30	67	1	2	0	0	1.4	0	1	0.00
514	4	M	39.3	14.0	46	16.6	36.0	8.48	11.7	560	0	32	67	1	0	0	0	1.2	0	3	0.00
549	4	F	43.6	15.9	45	16.9	37.2	9.56	7.3	386	0	19	80	1	0	0	0	0.7	1	0	0.05
552	4	F	43.5	15.4	44	15.9	35.9	9.78	9.7	337	0	14	84	2	0	0	0	1.3	0	0	0.00
557	4	F	42.8	15.3	46	16.8	36.5	9.23	5.2	397	0	12	85	2	1	0	0	1.7	0	2	0.06
558	4	F	42.7	15.4	46	16.8	36.6	9.25	6.3	428	0	17	82	1	0	0	0	0.4	0	0	0.00
563	4	F	41.8	15.1	46	17.0	36.8	9.01	8.9	433	0	18	82	0	0	0	0	1.8	0	0	0.00
573	4	F	43.4	15.5	46	17.0	36.8	9.33	6.4	403	0	25	73	1	1	0	0	0.6	0	1	0.00
584	4	F	41.5	15.1	46	17.2	37.0	8.83	8.9	451	0	16	82	1	1	0	0	1.7	0	2	0.00
587	4	F	31.3	11.1	46	17.4	36.6	6.47	3.7	335	0	21	79	0	0	0	0	0.2	1	1	0.16
591	4	F	42.5	15.3	45	16.6	36.8	9.36	6.9	425	0	18	81	1	0	0	0	1.0	0	0	0.22

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.4e

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 105

ANIMAL NO	TR GROUP	SEX	HCT %	HGB g/dl	MCV um3	MCH pg	MCHC g/dl	RBC x 10^6 /mm3	WBC x 10^3 /mm3	PLT x 10^3 /mm3	IM NEUT %WBC	M NEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
7	1	M	38.6	14.0	46	16.6	37.0	8.49	4.6	476	0	26	71	1	2	0	0	2.1	0	0	0.11
11	1	M	42.7	15.2	47	16.5	36.0	9.23	9.0	574	0	16	81	0	3	0	0	1.7	0	0	0.00
14	1	M	39.3	15.3	46	18.0	39.7	8.52	9.6	542	0	13	84	0	3	0	0	1.6	0	0	0.00
17	1	M	39.0	14.0	44	16.0	36.6	8.76	7.8	646	0	22	75	1	2	0	0	0.9	0	0	0.00
28	1	M	42.8	15.4	44	16.0	36.6	9.69	6.6	690	0	16	83	0	1	0	0	1.3	0	0	0.00
29	1	M	39.9	15.4	46	17.8	39.4	8.69	7.6	582	0	20	79	0	1	0	0	0.8	0	0	0.05
30	1	M	48.3	18.0	44	16.0	37.6	11.34	10.8	624	0	10	90	0	0	0	0	1.6	0	1	0.05
66	1	M	43.2	15.8	47	17.0	37.0	9.31	6.8	563	0	8	92	0	0	0	0	2.1	0	0	0.00
69	1	M	43.4	15.8	46	16.8	36.9	9.40	5.5	975	0	23	77	0	0	0	0	1.5	0	0	0.00
73	1	M	20.9	6.3	66	21.0	31.2	3.01	18.8	774	0	59	41	0	0	0	0	---	0	---	0.53
81	1	F	40.2	15.2	47	17.6	38.3	8.64	4.4	518	0	22	78	0	0	0	0	0.7	0	0	0.00
87	1	F	41.1	15.4	49	18.2	38.0	8.48	4.9	541	0	17	83	0	0	0	0	1.7	0	0	0.11
90	1	F	41.8	15.4	48	17.6	37.6	8.82	6.8	531	0	10	90	0	0	0	0	1.7	0	0	0.00
130	1	F	34.3	12.6	46	16.8	37.6	7.51	11.2	549	0	32	67	0	1	0	0	1.2	1	0	0.05
133	1	F	43.0	16.2	47	17.8	38.4	9.16	6.6	626	0	20	79	0	1	0	0	2.2	0	0	0.00
134	1	F	42.6	15.6	47	17.2	37.3	9.12	5.8	523	0	25	75	0	0	0	0	1.6	1	0	0.11
147	1	F	42.0	15.9	48	17.8	38.4	8.86	6.2	460	0	20	80	0	0	0	0	1.1	0	0	0.11
149	1	F	41.4	15.3	46	16.8	37.6	9.15	3.9	632	0	18	80	2	0	0	0	1.3	0	0	0.05
150	1	F	42.0	15.3	49	17.8	37.0	8.62	8.6	552	0	18	82	0	0	0	0	2.9	0	0	0.05
155	2	M	39.6	14.1	46	16.1	36.1	8.75	7.4	996	0	33	64	1	2	0	0	1.4	0	0	0.00
161	2	M	48.6	17.9	44	15.8	37.4	11.43	10.8	791	0	18	82	0	0	0	0	1.4	0	0	0.00
163	2	M	39.2	14.9	46	17.4	38.7	8.57	5.4	600	0	29	69	1	1	0	0	1.4	0	0	0.00
164	2	M	42.7	15.9	46	17.2	38.0	9.28	9.0	468	0	10	89	0	1	0	0	1.7	1	1	0.11
166	2	M	36.5	13.6	44	16.4	38.4	8.36	8.8	804	0	32	68	0	0	0	0	2.4	0	0	0.16
182	2	M	60.7	21.3	42	14.4	35.6	15.04	10.6	667	0	47	51	1	1	0	0	1.1	0	1	0.00
197	2	M	39.1	15.0	46	17.5	39.0	8.58	6.4	833	0	43	57	0	0	0	0	1.1	0	0	0.00
205	2	M	45.0	16.5	47	17.0	37.2	9.72	8.0	718	0	21	79	0	0	0	0	1.6	0	0	0.00
211	2	M	42.4	15.3	46	16.4	36.8	9.36	9.5	801	0	24	75	1	0	0	0	3.2	0	0	0.22
225	2	M	40.8	15.1	46	16.9	37.5	8.91	7.5	478	0	10	90	0	0	0	0	1.9	0	0	0.11
237	2	F	43.8	16.1	47	17.0	37.0	9.44	5.0	614	0	36	64	0	0	0	0	1.8	0	0	0.05
239	2	F	43.0	15.4	44	16.0	36.4	9.72	7.7	488	0	29	70	0	1	0	0	2.5	0	0	0.00
241	2	F	43.8	15.8	46	16.5	36.6	9.59	5.1	574	0	11	88	0	1	0	0	1.1	0	1	0.00
256	2	F	37.1	13.0	50	17.6	35.6	7.38	3.5	376	0	21	79	0	0	0	0	1.9	0	2	0.00
258	2	F	41.8	15.9	48	18.0	38.4	8.76	5.5	457	0	21	78	1	0	0	0	1.6	0	0	0.11
259	2	F	41.7	15.8	48	18.0	38.4	8.74	7.8	465	0	12	88	0	0	0	0	1.9	0	0	0.00
270	2	F	41.2	15.1	50	18.4	37.2	8.21	22.6	199	0	0	99	0	1	0	0	2.5	1	0	0.00
280	2	F	42.8	16.1	48	17.8	38.1	9.01	5.0	480	0	25	75	0	0	0	0	1.1	0	0	0.16
282	2	F	43.0	16.0	47	17.3	37.9	9.31	7.6	386	0	22	77	0	1	0	0	1.0	1	1	0.00
289	2	F	38.9	14.5	47	17.4	37.9	8.31	6.3	373	0	10	90	0	0	0	0	1.6	0	0	0.16
304	3	M	38.2	15.0	44	17.4	40.1	8.63	6.7	425	0	4	95	0	1	0	0	0.9	0	0	0.00

--- NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4 + positive RBCs per field

Table VII.4e (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL HEMATOLOGY VALUES TEST WEEK 105

ANIMAL NO	GROUP	SEX	HCT %	HGB g/dl	MCV um^3	MCH pg	MCHC g/dl	RBC $\times 10^6/mm^3$	WBC $\times 10^3/mm^3$	PLT $\times 10^3/mm^3$	IM NEUT %WBC	M NEUT %WBC	LYM %WBC	MON %WBC	EOS %WBC	BASO %WBC	NRBC /100 WBC	RETIC %RBC	HOWJOL BODIES	HEINZ BODIES	METHGB g/dl
313	3	M	37.4	13.7	47	17.3	37.3	7.92	10.4	484	0	33	66	0	1	0	0	2.0	0	1	0.00
329	3	M	36.3	12.6	40	13.9	35.4	9.07	12.8	1038	0	55	43	1	1	0	0	1.6	0	1	0.16
334	3	M	42.6	15.9	44	16.6	38.0	9.62	4.1	493	0	19	81	0	0	0	0	1.8	2	0	0.00
337	3	M	42.9	16.0	44	16.4	38.0	9.80	3.7	439	0	16	84	0	0	0	0	1.5	0	1	0.00
348	3	M	34.6	12.0	50	17.4	35.3	6.86	7.6	663	0	24	74	1	1	0	0	10.3	1	---	0.27
349	3	M	41.5	14.9	44	15.9	36.5	9.41	12.6	562	0	14	86	0	0	0	0	3.1	0	0	0.05
365	3	M	49.3	17.7	40	14.3	36.4	12.48	12.0	776	0	36	63	1	0	0	0	2.0	1	0	0.00
372	3	M	56.4	20.7	38	13.8	37.1	15.21	6.0	656	0	55	45	0	0	0	0	3.5	1	---	0.00
373	3	M	39.8	14.4	46	16.6	36.8	8.70	5.1	642	0	13	86	0	1	0	0	1.2	0	0	0.16
380	3	F	41.1	15.4	49	18.4	38.2	8.43	4.6	684	0	45	55	0	0	0	0	1.4	0	1	0.32
390	3	F	41.2	15.4	48	17.8	38.2	8.69	5.7	708	0	27	73	0	0	0	0	2.4	0	0	0.00
392	3	F	40.9	15.3	48	17.9	38.1	8.57	6.2	424	0	22	78	0	0	0	0	2.7	0	0	0.22
393	3	F	41.2	15.3	46	17.0	37.8	9.04	5.1	523	0	6	94	0	0	0	0	1.7	0	0	0.05
406	3	F	40.4	14.5	46	16.8	36.6	8.69	5.6	476	0	37	61	1	1	0	0	3.9	0	0	0.00
407	3	F	42.8	16.2	47	17.8	38.5	9.11	6.6	369	0	13	86	0	1	0	0	1.4	0	1	0.00
422	3	F	40.3	15.1	49	18.4	38.2	8.25	3.6	510	0	30	70	0	0	0	0	2.2	2	0	0.42
428	3	F	40.0	15.1	45	17.0	38.3	8.85	5.4	525	0	17	83	0	0	0	0	2.3	0	0	0.00
443	3	F	39.9	14.9	48	17.6	37.8	8.39	3.9	487	0	37	59	0	4	0	0	0.8	0	0	0.11
450	3	F	37.0	13.4	46	16.8	36.8	7.94	7.6	496	0	60	36	4	0	0	0	1.8	0	1	0.11
473	4	M	39.7	15.0	44	16.4	38.2	9.06	6.5	585	0	9	91	0	0	0	0	2.0	0	4	0.00
481	4	M	36.8	14.1	46	18.1	39.2	7.81	6.6	594	0	22	74	1	3	0	0	1.7	0	0	0.00
484	4	M	40.2	14.4	44	15.9	36.4	9.13	8.2	830	0	24	74	1	1	0	0	1.8	0	1	0.00
501	4	M	40.4	15.1	47	17.6	38.2	8.60	7.4	709	0	20	80	0	0	0	0	1.5	0	3	0.11
506	4	M	59.2	22.1	42	15.2	37.8	14.73	8.3	590	0	11	89	0	0	0	0	2.1	0	4	0.00
508	4	M	40.1	14.2	44	15.8	36.1	9.00	11.0	801	0	37	61	0	2	0	0	2.6	1	4	0.22
511	4	M	38.7	14.1	45	16.4	37.0	8.62	8.6	966	0	12	88	0	0	0	0	1.9	0	3	0.00
516	4	M	38.9	14.5	46	17.3	38.1	8.43	7.5	915	0	40	60	0	0	0	0	1.4	0	2	0.00
522	4	M	40.2	14.9	45	16.5	37.5	9.02	9.3	559	0	11	89	0	0	0	0	1.8	0	3	0.00
534	4	F	38.0	13.9	47	17.2	37.2	8.06	7.8	538	0	19	81	0	0	0	0	2.6	0	2	0.22
551	4	F	39.4	15.2	47	18.0	39.4	8.45	5.1	391	0	9	91	0	0	0	0	3.2	0	4	0.05
558	4	F	40.3	14.5	46	16.5	36.9	8.88	5.7	621	0	29	70	1	0	0	0	2.2	1	0	0.00
563	4	F	20.7	7.3	45	16.8	37.3	4.35	6.0	385	0	38	61	1	0	0	0	1.9	1	---	0.11
573	4	F	39.8	14.4	47	17.0	36.9	8.47	5.5	363	0	28	71	0	1	0	0	1.7	0	2	0.00
577	4	F	37.6	13.7	45	16.4	37.1	8.36	10.1	480	0	5	94	0	1	0	0	2.1	0	2	0.22
578	4	F	41.4	15.1	47	17.0	37.1	8.91	5.9	464	0	13	87	0	0	0	0	2.0	0	3	0.16
584	4	F	42.2	15.6	47	17.2	37.6	9.08	5.1	547	0	31	68	0	1	0	0	2.2	1	4	0.00
585	4	F	31.7	11.1	50	17.6	35.6	6.31	8.9	444	0	49	51	0	0	0	0	6.3	2	2	0.16
600	4	F	38.7	14.9	45	17.3	39.1	8.57	3.6	436	0	23	76	0	1	0	0	1.1	0	4	0.00

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field

Code for HowJol and Heinz Bodies

2 = 2-4 positive RBCs per field
3 = 4 ± positive RBCs per field

Table VII.5a

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 14

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT iu/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
7	1	M	130	14	20	87	4.8	3.1	100	0.06	0.30	1.7	1.8
11	1	M	118	13	95	68	5.2	4.2	104	0.07	0.26	1.0	4.2
14	1	M	121	15	318	103	6.0	3.7	109	0.21	0.66	2.3	1.6
30	1	M	94	21	36	80	5.5	3.4	94	0.07	0.35	2.1	1.6
34	1	M	128	19	190	138	6.0	3.4	116	0.12	0.46	2.6	1.3
35	1	M	155	16	59	62	5.0	2.9	80	0.13	0.45	2.1	1.4
65	1	M	140	17	61	121	5.3	3.3	124	0.08	0.34	2.0	1.6
69	1	M	165	15	28	101	---	---	104	0.09	0.26	---	---
74	1	M	136	17	56	93	5.5	3.1	95	0.13	0.23	2.4	1.3
75	1	M	146	17	66	71	5.9	3.6	106	0.07	0.31	2.3	1.6
81	1	F	137	15	33	133	5.0	3.6	94	0.08	0.36	1.4	2.6
89	1	F	129	20	36	101	5.4	3.7	93	0.05	0.24	1.7	2.2
90	1	F	157	17	23	67	5.0	3.5	81	0.06	0.25	1.5	2.3
91	1	F	135	16	30	116	5.4	3.7	94	0.08	0.34	1.7	2.2
96	1	F	148	14	25	81	5.3	3.7	95	0.04	0.21	1.6	2.3
117	1	F	127	15	33	96	4.9	3.5	78	0.07	0.30	1.4	2.5
122	1	F	134	16	23	121	5.1	3.6	94	0.06	0.32	1.5	2.4
130	1	F	125	14	25	69	4.9	3.6	92	0.04	0.21	1.3	2.8
146	1	F	106	17	38	108	5.6	3.8	84	0.29	0.81	1.8	2.1
150	1	F	154	16	33	74	5.3	3.6	81	0.10	0.28	1.7	2.1
155	2	M	137	10	41	169	5.0	2.8	121	0.08	0.33	2.2	1.3
161	2	M	144	18	48	102	5.4	3.3	123	0.09	0.42	2.1	1.6
164	2	M	121	17	48	144	6.2	3.8	117	0.14	0.52	2.4	1.6
179	2	M	152	15	54	100	5.2	3.1	109	0.15	0.50	2.1	1.5
182	2	M	120	18	66	95	5.5	3.0	96	0.05	0.26	2.5	1.2
193	2	M	133	17	115	100	6.1	3.7	106	0.04	0.48	2.4	1.5
197	2	M	137	14	41	83	5.2	3.0	104	0.24	0.13	2.2	1.4
207	2	M	129	15	51	72	5.6	3.3	103	0.10	0.36	2.3	1.4
219	2	M	111	13	41	92	4.7	2.9	86	0.04	0.20	1.8	1.6
221	2	M	148	19	59	78	5.4	3.2	99	0.07	0.28	2.2	1.5
234	2	F	89	21	43	83	5.1	3.5	89	0.08	0.28	1.6	2.2
237	2	F	136	12	38	68	5.1	3.6	88	0.11	0.35	1.5	2.4
239	2	F	126	11	66	54	5.3	3.7	88	0.32	0.30	1.6	2.3
245	2	F	138	18	41	113	5.3	3.6	104	0.10	0.39	1.7	2.1
248	2	F	136	15	46	53	---	---	88	0.07	0.30	---	---
264	2	F	139	13	20	39	5.0	3.5	84	0.04	0.21	1.5	2.3
270	2	F	92	16	28	54	4.9	3.5	79	0.04	0.22	1.4	2.5
280	2	F	144	17	43	126	5.1	3.5	85	0.09	0.30	1.6	2.2
282	2	F	127	13	23	47	4.9	3.5	85	0.15	0.19	1.4	2.5
294	2	F	154	13	33	104	5.2	3.6	88	0.15	0.27	1.6	2.3

--- = NO AVAILABLE DATA

Table VII.5a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES   TEST WEEK 14

ANIMAL NO	T R GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT Iu/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
301	3	M	155	17	33	91	5.4	3.4	100	0.11	0.44	2.0	1.7
306	3	M	168	15	48	76	5.5	3.1	101	0.07	0.36	2.4	1.3
313	3	M	113	16	61	82	5.0	3.1	96	0.07	0.29	1.9	1.6
329	3	M	125	12	59	48	4.7	2.7	96	0.06	0.26	2.0	1.3
334	3	M	136	14	54	61	4.8	3.1	94	0.05	0.22	1.7	1.8
345	3	M	171	18	48	78	5.1	3.3	102	0.06	0.25	1.8	1.8
346	3	M	125	16	56	89	5.3	3.3	102	0.10	0.42	2.0	1.6
347	3	M	162	18	84	100	6.4	3.7	126	0.17	0.57	2.7	1.4
372	3	M	159	17	64	117	5.3	3.1	116	0.13	0.44	2.2	1.4
373	3	M	158	18	66	90	---	3.3	116	0.06	0.33	---	---
380	3	F	150	12	30	78	5.5	3.7	81	0.08	0.28	1.8	2.1
392	3	F	114	13	36	60	5.4	3.7	89	0.10	0.33	1.7	2.2
405	3	F	136	14	51	196	5.6	3.8	93	0.22	0.71	1.8	2.1
410	3	F	112	18	23	86	4.8	3.5	100	0.08	0.31	1.3	2.7
428	3	F	131	13	23	77	5.2	3.6	109	0.04	0.19	1.6	2.3
430	3	F	124	17	38	71	5.3	3.7	97	0.05	0.19	1.6	2.3
432	3	F	124	17	28	68	5.2	3.7	76	0.08	0.34	1.5	2.5
440	3	F	107	16	46	77	4.9	3.5	64	0.07	0.29	1.4	2.5
448	3	F	126	13	33	50	5.2	3.6	84	0.04	0.19	1.6	2.3
450	3	F	131	13	72	67	5.3	3.7	110	0.04	0.19	1.6	2.3
462	4	M	163	16	74	78	5.6	3.2	113	0.24	0.87	2.4	1.3
465	4	M	168	20	82	97	5.6	3.5	115	0.19	0.75	2.1	1.7
483	4	M	131	15	41	74	5.1	3.3	93	0.09	0.36	1.8	1.8
486	4	M	166	16	51	83	5.2	3.2	94	0.22	0.66	2.0	1.6
501	4	M	145	14	28	67	---	---	126	0.06	0.20	---	---
506	4	M	170	17	30	96	5.0	3.3	111	0.07	0.32	1.7	1.9
508	4	M	146	16	38	91	4.5	3.6	130	0.11	0.40	0.9	4.0
509	4	M	136	16	46	107	5.2	3.2	121	0.07	0.34	2.0	1.6
516	4	M	138	18	38	102	5.3	3.3	128	0.06	0.31	2.0	1.6
522	4	M	113	13	84	43	5.0	3.2	97	0.04	0.23	1.8	1.8
527	4	F	124	15	36	60	5.4	3.9	102	0.08	0.30	1.5	2.6
534	4	F	117	13	28	90	5.3	3.6	89	0.05	0.27	1.7	2.1
537	4	F	109	15	28	62	5.3	3.7	91	0.05	0.23	1.6	2.3
551	4	F	108	15	33	55	5.6	3.8	96	0.04	0.20	1.8	2.1
554	4	F	114	14	23	94	5.2	3.6	90	0.06	0.32	1.6	2.3
564	4	F	126	12	23	72	5.3	3.7	115	0.12	0.36	1.6	2.3
567	4	F	96	16	36	55	5.2	3.6	94	0.06	0.21	1.6	2.3
577	4	F	119	15	23	51	5.5	3.7	95	0.05	0.16	1.8	2.1
578	4	F	112	16	25	81	4.8	3.5	101	0.08	0.31	1.3	2.7
593	4	F	101	12	48	51	5.7	3.9	101	0.10	0.36	1.8	2.2

--- NO AVAILABLE DATA

Table VII.5b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 27

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
6	1	M	134	16	84	103	5.3	3.1	100	0.03	0.11	2.2	1.4
16	1	M	121	19	59	173	5.6	3.3	90	0.06	0.23	2.3	1.4
24	1	M	147	19	38	182	5.7	3.3	121	0.10	0.38	2.4	1.4
42	1	M	100	17	43	69	5.0	2.8	100	0.06	0.21	2.2	1.3
45	1	M	141	25	23	179	5.4	3.2	113	0.06	0.26	2.2	1.5
49	1	M	159	12	36	116	5.3	3.5	88	0.08	0.36	1.8	1.9
52	1	M	144	22	33	175	5.8	3.1	117	0.05	0.23	2.7	1.1
56	1	M	119	16	56	127	4.7	2.7	89	0.06	0.24	2.0	1.3
59	1	M	120	21	46	191	5.3	3.0	98	0.06	0.28	2.3	1.3
62	1	M	160	15	69	151	6.1	3.6	140	0.22	0.50	2.5	1.4
86	1	F	110	13	120	119	5.8	3.8	110	0.18	0.53	2.0	1.9
88	1	F	155	15	56	150	5.6	3.6	98	0.04	0.17	2.0	1.8
104	1	F	178	14	36	116	5.4	3.6	91	0.05	0.25	1.8	2.0
105	1	F	136	17	43	101	5.5	3.8	94	0.28	0.81	1.7	2.2
113	1	F	164	16	30	95	5.4	3.4	105	0.04	0.18	2.0	1.7
120	1	F	163	18	56	151	5.2	3.3	76	0.07	0.23	1.9	1.7
125	1	F	102	16	36	190	5.7	3.7	109	0.08	0.31	2.0	1.8
131	1	F	102	17	38	87	5.8	3.7	89	0.02	0.06	2.1	1.8
139	1	F	137	13	33	139	5.2	3.4	90	0.08	0.32	1.8	1.9
143	1	F	113	18	48	233	6.2	3.8	98	0.17	0.51	2.4	1.6
153	2	M	200	22	36	242	5.8	3.3	112	0.08	0.36	2.5	1.3
158	2	M	168	13	33	143	5.7	3.2	113	0.07	0.24	2.5	1.3
167	2	M	152	19	38	177	5.6	3.3	107	0.06	0.31	2.3	1.4
171	2	M	131	16	41	145	5.9	3.2	96	0.03	0.16	2.7	1.2
185	2	M	166	21	33	164	5.9	3.2	114	0.06	0.27	2.7	1.2
187	2	M	114	19	54	176	5.6	3.2	104	0.06	0.28	2.4	1.3
190	2	M	160	19	41	221	5.7	3.2	131	0.06	0.26	2.5	1.3
192	2	M	164	22	61	151	5.7	3.5	137	0.11	0.36	2.2	1.6
199	2	M	171	18	77	151	5.7	3.3	105	0.09	0.34	2.4	1.4
215	2	M	112	22	33	181	5.6	3.3	126	0.06	0.24	2.3	1.4
246	2	F	152	18	30	71	5.0	3.3	82	0.04	0.14	1.7	1.9
259	2	F	124	16	43	109	5.9	3.8	93	0.15	0.37	2.1	1.8
265	2	F	161	16	77	168	5.4	3.4	103	0.12	0.45	2.0	1.7
268	2	F	121	16	61	125	6.0	3.7	110	0.19	0.41	2.3	1.6
274	2	F	127	16	41	93	5.5	3.6	105	0.06	0.25	1.9	1.9
281	2	F	116	16	48	123	5.7	3.9	103	0.05	0.25	1.8	2.2
283	2	F	127	20	38	193	5.4	3.5	105	0.07	0.28	1.9	1.8
285	2	F	136	19	41	230	5.1	3.3	102	0.09	0.37	1.8	1.8
288	2	F	121	16	66	171	5.7	3.7	90	0.15	0.55	2.0	1.8
295	2	F	112	12	41	112	6.0	3.8	98	0.08	0.28	2.2	1.7

* NO AVAILABLE DATA

Table VII.5b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 27

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
302	3	M	146	21	30	117	5.2	3.3	102	0.06	0.31	1.9	1.7
308	3	M	125	18	43	163	5.1	3.1	104	0.07	0.29	2.0	1.6
321	3	M	158	21	48	163	5.5	3.0	114	0.06	0.22	2.5	1.2
331	3	M	165	17	46	180	5.6	3.2	128	0.07	0.24	2.4	1.3
338	3	M	158	16	48	211	5.5	3.3	121	0.09	0.37	2.2	1.5
341	3	M	124	22	41	141	5.5	3.3	93	0.08	0.26	2.2	1.5
342	3	M	183	18	38	190	5.2	3.0	117	0.06	0.31	2.2	1.4
343	3	M	126	16	59	99	5.4	3.3	84	0.04	0.18	2.1	1.6
358	3	M	176	18	30	109	5.7	3.4	110	0.14	0.51	2.3	1.5
366	3	M	128	19	79	167	5.4	3.3	105	0.11	0.41	2.1	1.6
377	3	F	138	14	33	152	5.2	3.6	80	0.07	0.33	1.6	2.3
381	3	F	158	15	36	77	5.8	3.7	106	0.05	0.22	2.1	1.8
394	3	F	148	11	30	119	5.6	3.7	100	0.06	0.26	1.9	1.9
399	3	F	130	29	51	206	5.5	3.6	103	0.07	0.31	1.9	1.9
404	3	F	174	19	38	258	5.5	3.5	131	0.13	0.55	2.0	1.8
418	3	F	130	12	46	92	5.8	3.6	109	0.03	0.12	2.2	1.6
433	3	F	143	16	59	151	5.3	3.5	76	0.13	0.36	1.8	1.9
438	3	F	147	19	79	163	5.8	3.8	90	0.12	0.42	2.0	1.9
445	3	F	112	20	46	111	5.6	3.6	88	0.0	0.03	2.0	1.8
449	3	F	111	12	64	111	5.8	3.8	99	0.03	0.06	2.0	1.9
459	4	M	164	20	30	137	5.6	3.1	123	0.04	0.21	2.5	1.2
461	4	M	168	16	43	157	5.6	3.3	110	0.02	0.18	2.3	1.4
464	4	M	155	19	30	104	5.7	3.5	113	0.07	0.24	2.2	1.6
466	4	M	148	19	46	183	5.8	3.4	138	0.07	0.33	2.4	1.4
478	4	M	159	20	46	160	5.5	3.4	110	0.06	0.32	2.1	1.6
499	4	M	129	18	43	160	5.8	3.6	136	0.08	0.35	2.2	1.6
504	4	M	134	21	33	138	5.7	3.1	107	0.05	0.27	2.6	1.2
505	4	M	124	19	38	133	5.3	2.7	103	0.04	0.20	2.6	1.0
518	4	M	181	19	131	98	5.2	3.3	102	0.17	0.44	1.9	1.7
519	4	M	156	17	38	124	6.1	3.4	114	0.06	0.27	2.7	1.3
532	4	F	126	13	38	116	5.9	3.7	108	0.06	0.26	2.2	1.7
540	4	F	107	14	38	129	5.9	3.7	92	0.08	0.28	2.2	1.7
547	4	F	142	16	84	135	5.3	3.6	85	0.11	0.44	1.7	2.1
550	4	F	132	14	131	107	5.2	3.6	82	0.06	0.24	1.6	2.3
560	4	F	130	18	38	137	5.6	3.5	102	0.06	0.18	2.1	1.7
580	4	F	131	12	---	90	5.6	3.8	89	0.19	0.59	1.8	2.1
581	4	F	139	13	36	144	5.3	3.6	101	0.08	0.32	1.7	2.1
582	4	F	111	17	46	172	5.3	3.4	94	0.08	0.35	1.9	1.8
590	4	F	117	13	72	96	5.8	3.8	102	0.24	0.56	2.0	1.9
597	4	F	147	16	46	103	5.0	2.9	96	0.05	0.23	2.1	1.4

--- = NO AVAILABLE DATA

Table VII.5c

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES   TEST WEEK 52

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
1	1	M	141	20	20	169	5.9	3.2	131	0.08	0.38	2.7	1.2
4	1	M	156	14	28	117	5.7	3.2	119	0.06	0.29	2.5	1.3
12	1	M	136	16	25	223	6.4	3.6	135	0.08	0.34	2.8	1.3
18	1	M	113	19	23	229	5.9	3.5	105	0.07	0.28	2.4	1.5
21	1	M	154	20	38	244	6.4	3.8	135	0.10	0.38	2.6	1.5
26	1	M	171	15	23	145	6.1	3.4	128	0.09	0.32	2.7	1.3
32	1	M	166	16	20	186	5.8	3.2	119	0.09	0.38	2.6	1.2
36	1	M	142	19	23	184	6.4	3.8	133	0.07	0.31	2.6	1.5
44	1	M	171	18	10	100	6.1	3.2	97	0.06	0.25	2.9	1.1
50	1	M	182	18	25	192	6.2	3.4	130	0.08	0.35	2.8	1.2
84	1	F	119	14	15	131	5.9	3.5	94	0.05	0.21	2.4	1.5
111	1	F	134	18	25	181	5.9	3.9	119	0.08	0.33	2.0	1.9
116	1	F	116	16	48	123	5.6	3.6	94	0.09	0.35	2.0	1.8
121	1	F	130	13	18	148	6.1	3.7	112	0.07	0.34	2.4	1.5
123	1	F	131	13	20	60	5.4	3.4	86	0.07	0.28	2.0	1.7
124	1	F	118	18	18	178	6.3	3.8	90	0.08	0.35	2.5	1.5
126	1	F	146	14	46	131	5.0	3.3	62	0.08	0.35	1.7	1.9
138	1	F	121	13	25	99	5.7	3.7	79	0.06	0.28	2.0	1.8
142	1	F	158	17	36	159	5.6	3.7	110	0.08	0.40	1.9	1.9
145	1	F	112	15	23	125	5.4	3.6	95	0.06	0.30	1.8	2.0
170	2	M	137	16	18	159	5.9	3.5	132	0.06	0.26	2.4	1.5
173	2	M	170	16	30	125	5.3	2.8	118	0.05	0.23	2.5	1.1
175	2	M	158	19	30	142	5.8	3.4	130	0.08	0.37	2.4	1.4
183	2	M	152	20	28	221	6.1	3.6	127	0.08	0.36	2.5	1.4
188	2	M	176	18	25	151	6.4	3.5	121	0.07	0.35	2.9	1.2
196	2	M	180	20	25	190	6.0	3.5	130	0.08	0.36	2.5	1.4
198	2	M	158	20	28	177	5.6	3.3	102	0.06	0.32	2.3	1.4
201	2	M	125	13	43	272	5.4	3.2	129	0.16	0.56	2.2	1.5
202	2	M	122	17	23	201	5.7	3.2	114	0.08	0.37	2.5	1.3
213	2	M	131	17	20	168	5.8	3.3	95	0.07	0.33	2.5	1.3
232	2	F	154	16	33	142	5.8	3.7	127	0.07	0.31	2.1	1.8
233	2	F	109	17	18	171	6.2	4.0	114	0.06	0.26	2.2	1.8
254	2	F	130	21	23	251	5.9	3.7	113	0.10	0.54	2.2	1.7
257	2	F	118	12	33	68	5.4	3.6	77	0.12	0.38	1.8	2.0
263	2	F	145	15	25	132	5.9	3.7	142	0.09	0.34	2.2	1.7
267	2	F	146	18	28	167	5.8	3.7	126	0.09	0.40	2.1	1.8
272	2	F	110	19	23	152	5.9	3.8	87	0.06	0.26	2.1	1.8
275	2	F	132	19	72	191	5.7	3.5	83	0.16	0.59	2.2	1.6
284	2	F	156	16	23	155	5.6	3.6	117	0.08	0.33	2.0	1.8
296	2	F	125	15	28	92	5.8	3.6	83	0.07	0.29	2.2	1.6

- = NO AVAILABLE DATA

Table VII.5c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 52

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
307	3	M	178	21	23	154	6.3	3.5	137	0.08	0.33	2.8	1.2
311	3	M	188	18	28	235	6.0	3.4	119	0.09	0.43	2.6	1.3
312	3	M	182	19	23	210	6.1	3.6	141	0.06	0.27	2.5	1.4
315	3	M	179	17	25	137	5.9	3.3	127	0.08	0.36	2.6	1.3
319	3	M	134	20	33	196	6.5	3.7	163	0.07	0.27	2.8	1.3
335	3	M	171	18	23	196	6.0	3.6	135	0.07	0.34	2.4	1.5
359	3	M	163	18	23	141	5.9	3.3	121	0.08	0.38	2.6	1.3
360	3	M	162	16	18	130	5.4	3.2	112	0.10	0.38	2.2	1.5
362	3	M	152	20	33	191	6.5	3.5	116	0.08	0.33	3.0	1.2
367	3	M	169	17	36	170	5.9	3.3	123	0.10	0.45	2.6	1.3
379	3	F	135	16	25	126	5.6	3.5	91	0.07	0.30	2.1	1.7
385	3	F	164	19	23	239	5.5	3.6	96	0.09	0.39	1.9	1.9
391	3	F	135	13	15	89	5.3	3.4	110	0.06	0.28	1.9	1.8
395	3	F	117	15	25	115	6.1	3.9	109	0.05	0.20	2.2	1.8
408	3	F	142	16	18	161	5.3	3.4	107	0.06	0.32	1.9	1.8
411	3	F	133	16	38	141	5.4	3.6	93	0.16	0.56	1.8	2.0
413	3	F	136	19	18	188	6.0	3.8	111	0.08	0.40	2.2	1.7
423	3	F	[illegible]	17	25	276	5.8	3.7	89	0.11	0.39	2.1	1.8
431	3	F	93	10	20	83	5.6	3.6	91	0.09	0.33	2.0	1.8
439	3	F	146	14	18	130	5.8	3.7	86	0.05	0.28	2.1	1.8
455	4	M	136	17	25	125	5.7	3.2	109	0.06	0.34	2.5	1.3
458	4	M	158	17	20	127	5.7	3.4	120	0.07	0.36	2.3	1.5
470	4	M	140	20	25	164	5.9	3.4	110	0.07	0.35	2.5	1.4
471	4	M	115	18	28	169	5.7	3.3	124	0.09	0.42	2.4	1.4
477	4	M	155	20	41	101	5.6	3.6	110	0.10	0.41	2.0	1.8
[illegible]	4	M	116	21	30	111	5.7	3.3	122	0.07	0.35	2.4	1.4
494	4	M	129	18	25	150	5.7	3.4	104	0.05	0.26	2.3	1.5
505	4	M	143	16	25	130	5.8	3.3	123	0.07	0.38	2.5	1.3
[illegible]	4	M	145	16	18	142	6.2	3.4	138	0.07	0.34	2.8	1.2
523	4	M	108	20	33	120	6.0	3.3	112	0.06	0.26	2.7	1.2
533	4	F	145	15	20	176	5.6	3.6	104	0.09	0.41	2.0	1.8
539	4	F	119	15	28	192	5.3	3.3	111	0.12	0.52	2.0	1.6
543	4	F	106	15	23	177	5.6	3.6	98	0.11	0.45	2.0	1.8
[illegible]	4	F	148	17	15	163	5.9	3.8	104	0.07	0.35	2.1	1.8
[illegible]	4	F	126	13	54	108	5.8	3.6	99	0.10	0.40	2.2	1.6
[illegible]	4	F	131	15	20	165	5.8	3.6	100	0.08	0.41	2.2	1.6
[illegible]	4	F	122	11	30	107	5.7	3.6	113	0.08	0.29	2.1	1.7
[illegible]	4	F	170	16	18	142	5.9	3.8	121	0.06	0.25	2.1	1.8
[illegible]	[illegible]	F	131	20	33	258	5.6	3.6	119	0.14	0.73	2.0	1.8
[illegible]	[illegible]	[illegible]	110	19	15	164	6.2	4.0	127	0.06	0.28	2.2	1.8

- - - NO AVAILABLE DATA

Table VII.5d

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 79

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	TPRO g/dl	ALB g/dl	CHOL mg/dl	DBIL mg/dl	TBIL mg/dl	GLOB g/dl	ALB/GLOB
7	1	M	154	16	20	114	5.0	3.1	127	0.05	0.28	1.9	1.6
11	1	M	169	15	23	121	4.8	3.0	127	0.07	0.32	1.8	1.7
14	1	M	139	16	28	64	5.6	3.3	95	0.04	0.17	2.3	1.4
30	1	M	134	18	41	103	6.3	3.4	148	0.06	0.30	2.9	1.2
44	1	M	182	18	59	147	6.0	3.4	125	0.13	0.42	2.6	1.3
45	1	M	155	16	79	156	5.7	3.5	137	0.12	0.48	2.2	1.6
65	1	M	129	24	79	114	7.7	4.5	271	0.07	0.30	3.2	1.4
69	1	M	159	17	25	117	5.5	3.2	137	0.07	0.36	2.3	1.4
74	1	M	105	20	54	182	5.5	---	118	0.12	0.44		--
75	1	M	156	16	28	132	5.7	3.2	121	0.06	0.23	2.5	1.3
81	1	F	136	14	18	125	5.2	3.5	145	0.07	0.33	1.7	2.1
89	1	F	150	17	30	119	5.2	3.5	84	0.05	0.27	1.7	2.1
90	1	F	108	16	28	95	5.0	3.2	84	0.05	0.24	1.8	1.8
91	1	F	157	15	33	155	5.6	3.7	115	0.09	0.42	1.9	1.9
96	1	F	138	18	38	170	5.7	3.8	116	0.09	0.39	1.9	2.0
117	1	F	146	17	25	166	5.6	3.5	110	0.08	0.35	2.1	1.7
122	1	F	122	15	23	100	5.0	3.3	137	0.05	0.24	1.7	1.9
130	1	F	117	16	33	130	4.9	3.4	121	0.06	0.34	1.5	2.3
146	1	F	136	16	25	138	6.9	4.3	174	0.06	0.25	2.6	1.7
150	1	F	119	15	43	153	4.3	2.9	119	0.08	0.35	1.4	2.1
155	2	M	131	18	38	126	5.9	3.1	168	0.06	0.28	2.8	1.1
161	2	M	85	15	33	84	5.4	3.0	122	0.06	0.26	2.4	1.3
164	2	M	130	19	69	281	6.1	3.5	138	0.13	0.61	2.6	1.3
179	2	M	165	19	59	137	5.6	3.4	121	0.15	0.46	2.2	1.5
182	2	M	133	19	51	88	6.5	3.7	189	0.05	0.24	2.8	1.3
193	2	M	62	30	110	115	9.2	4.2	540	0.09	0.38	5.0	0.8
197	2	M	109	14	46	109	5.5	2.2	129	0.11	0.42	3.3	0.7
207	2	M	175	18	30	123	5.3	3.4	129	0.08	0.34	1.9	1.8
213	2	M	144	17	74	122	5.3	3.4	114	0.07	0.31	1.9	1.8
221	2	M	178	16	48	125	6.0	3.6	156	0.10	0.36	2.4	1.5
234	2	F	136	15	95	112	4.3	3.4	83	0.07	0.34	0.9	3.8
237	2	F	114	14	46	117	5.1	3.1	107	0.09	0.34	2.0	1.6
239	2	F	140	15	23	151	5.5	3.4	127	0.05	0.29	2.1	1.6
245	2	F	132	18	59	141	5.4	3.5	121	0.06	0.33	1.9	1.8
248	2	F	122	17	38	78	4.8	3.1	59	0.04	0.19	1.7	1.8
264	2	F	126	18	54	191	4.3	3.3	111	0.10	0.53	1.0	3.3
270	2	F	142	19	23	167	5.8	3.1	84	0.07	0.35	2.7	1.1
280	2	F	115	18	61	101	5.9	3.6	118	0.07	0.24	2.3	1.6
282	2	F	116	17	15	131	4.9	3.4	102	0.06	0.28	1.5	2.3
294	2	F	121	16	25	124	4.8	3.4	130	0.05	0.26	1.4	2.4

--- NO AVAILABLE DATA

Table VII.5d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES   TEST WEEK 79

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
301	3	M	144	16	66	116	6.2	3.9	131	0.07	0.29	2.3	1.7
306	3	M	162	18	33	107	6.2	3.7	143	0.07	0.32	2.5	1.5
313	3	M	156	16	38	158	5.2	3.1	130	0.08	0.38	2.1	1.5
329	3	M	126	17	154	138	5.5	3.1	135	0.06	0.38	2.4	1.3
334	3	M	137	16	41	152	5.4	3.3	135	0.06	0.32	2.1	1.6
345	3	M	122	22	151	96	7.4	4.0	231	0.20	0.53	3.4	1.2
346	3	M	144	16	33	174	6.5	3.6	121	0.08	0.40	2.9	1.2
347	3	M	151	19	115	98	5.7	3.6	137	0.16	0.47	2.1	1.7
372	3	M	127	19	56	91	6.0	3.1	155	0.07	0.32	2.9	1.1
373	3	M	154	17	18	141	5.4	3.1	139	0.08	0.38	2.3	1.3
380	3	F	135	15	23	176	5.0	3.5	111	0.07	0.35	1.5	2.3
392	3	F	140	17	25	144	4.6	3.0	103	0.09	0.33	1.6	1.9
405	3	F	104		123	129	---	- -	77	0.13	0.43	---	---
428	3	F	142	14	18	157	4.8	3.2	150	0.08	0.38	1.6	2.0
430	3	F	141	16	38	147	5.9	3.7	121	0.08	0.32	2.2	1.7
432	3	F	131	16	36	138	5.4	3.7	95	0.07	0.36	1.7	2.2
440	3	F	130	23	43	220	5.9	3.7	85	0.11	0.57	2.2	1.7
443	3	F	132	16	20	144	5.2	3.5	142	0.07	0.32	1.7	2.1
448	3	F	107	17	123	138	5.4	3.7	96	0.12	0.40	1.7	2.2
450	3	F	98	16	25	162	5.5	3.1	124	0.10	0.45	2.4	1.3
462	4	M	148	18	28	139	5.4	3.6	138	0.07	0.40	1.8	2.0
465	4	M	161	20	87	135	5.4	3.6	141	0.19	0.60	1.8	2.0
483	4	M	92	27	72	124	4.5	2.5	101	0.28	0.80	2.0	1.3
486	4	M	125	21	41	76	6.0	3.8	141	0.18	0.49	2.2	1.7
501	4	M	170	16	69	124	5.6	3.2	139	0.07	0.38	2.4	1.3
506	4	M	131	15	25	132	5.5	3.0	144	0.06	0.31	2.5	1.2
508	4	M	132	16	20	104	5.4	3.3	149	0.07	0.35	2.1	1.6
509	4	M	144	14	54	67	5.0	2.9	108	0.06	0.25	2.1	1.4
516	4	M	154	16	92	106	4.8	3.2	149	0.09	0.37	1.6	2.0
522	4	M	148	18	43	164	5.8	3.3	97	0.08	0.43	2.5	1.3
534	4	F	130	17	18	154	5.2	3.4	126	0.08	0.32	1.8	1.9
537	4	F	140	17	41	181	6.1	3.9	116	0.08	0.42	2.2	1.8
551	4	F	132	13	33	120	6.2	3.7	129	0.06	0.30	2.5	1.5
554	4	F	136	17	30	140	5.0	3.6	128	0.07	0.39	1.4	2.6
564	4	F	127	14	20	106	5.9	3.5	125	0.06	0.36	2.4	1.5
567	4	F	163	17	28	214	5.7	3.5	117	0.12	0.49	2.2	1.6
577	4	F	108	17	10	83	4.9	3.0	98	0.04	0.24	1.9	1.6
578	4	F	121	14	15	91	4.7	3.2	116	0.06	0.34	1.5	2.1
585	4	F	124	15	25	106	5.4	3.4	143	0.05	0.28	2.0	1.7
593	4	F	159	16	23	213	5.4	3.4	106	0.09	0.40	2.0	1.7

--- NO AVAILABLE DATA

Table VII.5e

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 105

ANIMAL NO	IR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	T PRO g/dl	ALB g/dl	CHOL mg/dl	D BIL mg/dl	T BIL mg/dl	GLOB g/dl	ALB/GLOB
7	1	M	114	21	25	53	5.8	3.6	89	0.06	0.24	2.2	1.6
11	1	M	126	21	28	238	5.9	3.4	141	0.12	0.43	2.5	1.4
14	1	M	218	18	28	163	5.2	3.2	125	0.09	0.37	2.0	1.6
17	1	M	184	24	43	169	6.2	3.6	168	0.15	0.44	2.6	1.4
28	1	M	134	19	36	161	6.5	3.7	152	0.13	0.38	2.8	1.3
29	1	M	174	20	25	124	5.3	3.3	137	0.06	0.28	2.0	1.6
30	1	M	135	27	61	106	7.1	3.9	291	0.10	0.30	3.2	1.2
66	1	M	130	19	25	140	6.1	3.5	153	0.11	0.38	2.6	1.3
69	1	M	135	19	23	150	6.3	3.6	173	0.15	0.40	2.7	1.3
73	1	M	86	40	123	290	6.3	3.6	202	0.14	0.28	2.7	1.3
81	1	F	140	20	30	119	5.9	3.7	121	0.07	0.29	2.2	1.7
87	1	F	174	22	66	140	5.3	3.6	109	0.09	0.28	1.7	2.1
90	1	F	128	19	30	78	5.5	3.6	100	0.07	0.26	1.9	1.9
[illegible]	1	F	122	18	33	87	5.1	3.5	83	0.07	0.25	1.6	2.2
[illegible]	1	F	137	20	25	48	5.6	3.0	50	0.06	0.22	2.6	1.2
[illegible]	1	F	136	17	36	169	5.5	3.2	127	0.16	0.44	2.3	1.4
[illegible]	1	F	172	18	33	136	5.6	3.4	146	0.07	0.27	2.2	1.5
147	1	F	151	19	20	112	5.8	3.4	124	0.08	0.28	2.4	1.4
[illegible]	1	F	151	16	25	135	5.8	3.5	117	0.11	0.30	2.3	1.5
[illegible]	1	F	130	18	25	162	5.6	3.5	122	0.12	0.37	2.1	1.7
[illegible]	2	M	138	23	36	85	6.3	3.3	163	0.10	0.26	3.0	1.1
161	2	M	138	28	128	113	7.5	4.0	162	0.10	0.29	3.5	1.1
163	2	M	137	19	20	98	5.6	3.3	141	0.08	0.24	2.3	1.4
164	2	M	210	18	30	137	5.2	3.2	152	0.09	0.33	2.0	1.6
166	2	M	137	16	18	102	5.5	3.0	127	0.08	0.23	2.5	1.2
182	2	M	84	20		86	7.1	4.0	233	0.20	0.65	3.1	1.3
197	2	M	173	19	28	103	5.9	3.3	132	0.07	0.26	2.6	1.3
205	2	M	129	18	20	109	5.8	3.3	153	0.07	0.26	2.5	1.3
211	2	M	133	17	23	106	6.0	3.2	127	0.10	0.34	2.8	1.1
225	2	M	126	19	36	130	6.0	3.4	155	0.09	0.30	2.6	1.3
[illegible]	2	F	111	20	23	131	6.0	3.9	163	0.08	0.30	2.1	1.9
239	2	F	163	18	25	112	5.6	3.4	129	0.13	0.34	2.2	1.5
241	2	F	127	17	20	116	5.5	3.5	108	0.08	0.28	2.0	1.8
[illegible]	2	F	11	54	159	51	4.5	3.2	27	0.10	0.32	1.3	2.5
258	2	F	127	24	25	165	5.4	3.5	116	0.09	0.34	1.9	1.8
[illegible]	2	F	122	13	48	160	5.1	3.4	97	0.11	0.40	1.7	2.0
270	2	F	174	17	11	122	5.8	3.5	47	0.10	0.30	2.3	1.5
[illegible]	2	F	133	15	28	111	5.5	3.4	116	0.06	0.28	2.1	1.6
282	2	F	81	18	15	75	5.5	3.7	98	0.08	0.22	1.8	2.1
[illegible]	2	F	116	15	18	98	5.1	3.1	119	0.05	0.21	2.0	1.6

NO AVAILABLE DATA

Table VII.5e (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 105

ANIMAL NO	TR GROUP	SEX	GLU mg/dl	BUN mg/dl	SGPT IU/l	TRIG mg/dl	TPRO g/dl	ALB g/dl	CHOL mg/dl	DBIL mg/dl	TBIL mg/dl	GLOB g/dl	ALB/GLOB
304	3	M	111	20	84	85	6.0	3.3	153	0.16	0.42	2.7	1.2
313	3	M	159	19	23	181	4.9	2.9	141	0.06	0.22	2.0	1.4
329	3	M	94	28	115	67	7.9	4.0	171	0.09	0.25	3.9	1.0
334	3	M	137	15	33	90	5.2	3.4	128	0.06	0.24	1.8	1.9
337	3	M	170	20	41	94	6.1	3.7	197	0.09	0.30	2.4	1.5
348	3	M	99	15	316	207	3.9	2.2	92	0.15	0.46	1.7	1.3
349	3	M	131	16	28	107	6.3	3.7	131	0.09	0.35	2.6	1.4
365	3	M	105	35	375	89	9.5	4.9	397	0.14	0.40	4.6	1.1
372	3	M	103	35	489	90	8.3	4.2	466	0.15	0.48	4.1	1.0
373	3	M	166	16	23	112	5.8	3.3	126	0.09	0.36	2.5	1.3
380	3	F	117	22	25	204	6.1	3.7	136	0.11	0.44	2.4	1.5
390	3	F	116	20	28	150	5.4	3.6	103	0.10	0.43	1.8	2.0
392	3	F	116	15	38	86	5.8	3.5	122	0.09	0.28	2.3	1.5
393	3	F	194	19	23	140	5.9	3.7	101	0.13	0.36	2.2	1.7
406	3	F	140	18	18	80	5.8	3.4	149	0.07	0.23	2.4	1.4
407	3	F	118	17	18	122	5.8	3.6	154	0.09	0.32	2.2	1.6
422	3	F	117	22	28	114	5.5	3.6	124	0.08	0.32	1.9	1.9
428	3	F	150	15	20	130	5.2	3.4	118	0.08	0.26	1.8	1.9
443	3	F	155	18	25	104	5.5	3.7	133	0.06	0.24	1.8	2.1
450	3	F	111	14	28	58	6.9	3.6	95	0.08	0.22	3.3	1.1
473	4	M	115	15	30	89	5.7	3.2	125	0.08	0.29	2.5	1.3
481	4	M	166	19	20	185	5.9	3.5	125	0.13	0.40	2.4	1.5
484	4	M	141	21	30	116	6.3	3.5	125	0.12	0.35	2.8	1.2
501	4	M	137	22	18	190	5.6	3.4	133	0.10	0.39	2.2	1.5
506	4	M	83	26	---	116	---	---	308	0.20	0.58	---	---
508	4	M	130	18	25	116	6.2	3.3	139	0.10	0.28	2.9	1.1
511	4	M	144	21	20	140	5.9	3.5	136	0.09	0.37	2.4	1.5
512	4	M	142	20	30	98	5.5	3.3	130	0.09	0.33	2.2	1.5
516	4	M	134	18	25	130	5.5	3.3	151	0.12	0.38	2.2	1.5
522	4	M	118	20	23	91	5.5	3.2	130	0.06	0.27	2.3	1.4
534	4	F	160	42	15	183	4.6	2.2	225	0.14	0.30	2.4	0.9
551	4	F	162	16	54	99	5.1	3.4	128	0.07	0.26	1.7	2.0
558	4	F	128	20	72	90	5.6	3.6	116	0.10	0.30	2.0	1.8
563	4	F	18	77	59	---	4.5	3.2	106	0.04	0.13	1.3	2.5
573	4	F	168	14	18	64	5.5	3.7	107	0.08	0.32	1.8	2.1
577	4	F	119	14	23	38	5.4	3.2	62	0.07	0.24	2.2	1.5
578	4	F	160	16	54	69	4.9	3.4	118	0.13	0.41	1.5	2.3
584	4	F	132	19	20	139	5.6	3.5	125	0.12	0.40	2.1	1.7
585	4	F	84	29	20	221	4.7	3.0	81	0.10	0.32	1.7	1.8
600	4	F	120	24	51	113	5.3	3.6	104	0.14	0.40	1.7	2.1

--- = NO AVAILABLE DATA

Table VII.6a

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 27

ANIMAL NO	GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
6	1	M	33.5	0.487	0.186	0.544	1.761	0.089	0.233
16	1	M	31.6	0.487	0.166	0.531	1.582	0.085	0.231
24	1	M	33.4	0.460	0.162	0.484	1.598	0.079	0.235
42	1	M	33.6	0.481	0.186	0.553	1.528	0.131	0.229
45	1	M	32.1	0.490	0.186	0.656	1.931	0.119	0.232
49	1	M	26.4	0.443	0.155	0.434	1.501	0.091	0.193
52	1	M	35.7	0.507	0.188	0.630	2.034	0.100	0.243
56	1	M	33.9	0.513	0.196	0.595	1.791	0.122	0.240
59	1	M	30.8	0.485	0.149	0.504	1.688	0.112	0.228
62	1	M	33.3	0.491	0.151	0.518	1.704	0.081	0.239
86	1	F	31.0	0.513	0.158	0.398	1.598	0.084	---
88	1	F	30.5	0.508	0.137	0.408	1.545	0.084	---
104	1	F	29.8	0.519	0.150	0.468	1.454	0.086	---
105	1	F	28.5	0.499	0.135	0.375	1.384	0.072	---
113	1	F	29.1	0.511	0.133	0.397	1.407	0.090	---
120	1	F	26.6	0.510	0.125	0.343	1.571	0.088	---
125	1	F	26.9	0.493	0.119	0.365	1.488	0.081	---
131	1	F	25.7	0.481	0.128	0.344	1.263	0.072	---
139	1	F	29.8	0.480	0.137	0.361	1.592	0.086	---
143	1	F	32.7	0.506	0.144	0.470	1.773	0.089	---
153	2	M	43.4	0.509	0.214	0.680	2.333	0.091	0.272
158	2	M	36.1	0.452	0.169	0.574	1.763	0.095	0.217
167	2	M	34.8	0.482	0.180	0.677	1.904	0.096	0.253
171	2	M	30.5	0.476	0.176	0.501	1.736	0.126	0.211
185	2	M	38.6	0.469	0.189	0.595	2.023	0.093	0.243
187	2	M	35.1	0.491	0.184	0.600	2.085	0.094	0.222
190	2	M	40.7	0.483	0.197	0.665	2.206	0.100	0.261
192	2	M	40.8	0.496	0.185	0.621	1.906	0.082	0.245
199	2	M	32.6	0.462	0.165	0.592	1.846	0.074	0.233
215	2	M	31.4	0.463	0.143	0.544	1.551	0.066	0.217
246	2	F	26.6	0.488	0.147	0.415	1.594	0.119	---
250	2	F	28.5	0.488	0.135	0.386	1.522	0.083	---
265	2	F	32.0	0.503	0.128	0.368	1.634	0.105	---
268	2	F	30.3	0.486	0.122	0.368	1.488	0.092	---
274	2	F	29.5	0.493	0.132	0.405	1.570	0.092	---
281	2	F	27.9	0.486	0.138	0.380	1.464	0.089	---
283	2	F	31.0	0.456	0.130	0.407	1.732	0.098	
285	2	F	36.2	0.504	0.137	0.427	1.836	0.123	
288	2	F	34.6	0.456	0.128	0.396	1.605	0.077	
295	2	F	28.2	0.498	0.153	0.398	1.484	0.078	

--- = NO AVAILABLE DATA

Table VII.6a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 27

ANIMAL NO	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
302	3	M	27.0	0.469	0.139	0.562	1.424	0.062	0.230
308	3	M	34.4	0.457	0.178	0.660	1.910	0.112	0.225
321	3	M	36.9	0.477	0.195	0.568	2.027	0.099	0.237
331	3	M	38.4	0.488	0.183	0.605	1.924	0.091	0.246
338	3	M	37.5	0.475	0.182	0.648	1.936	0.093	0.239
341	3	M	29.4	0.436	0.161	0.520	1.672	0.081	0.221
342	3	M	37.6	0.502	0.197	0.656	2.162	0.106	0.276
343	3	M	29.9	0.475	0.164	0.577	1.721	0.104	0.213
358	3	M	34.3	0.490	0.159	0.576	1.637	0.086	0.228
366	3	M	33.3	0.482	0.173	0.517	1.871	0.093	0.230
377	3	F	29.3	0.498	0.116	0.376	1.509	0.107	---
381	3	F	25.4	0.487	0.128	0.330	1.400	0.088	---
394	3	F	27.1	0.507	0.124	0.367	1.498	0.079	---
399	3	F	31.6	0.496	0.126	0.384	1.527	0.090	---
404	3	F	41.9	0.517	0.159	0.533	2.255	0.108	---
418	3	F	31.7	0.517	0.152	0.448	1.480	0.081	---
433	3	F	28.6	0.495	0.124	0.406	1.797	0.112	---
438	3	F	25.9	0.493	0.128	0.407	1.600	0.085	---
445	3	F	26.1	0.519	0.129	0.380	1.424	0.088	---
449	3	F	32.2	0.479	0.161	0.428	1.694	0.082	---
459	4	M	35.5	0.471	0.184	0.617	1.997	0.117	0.251
461	4	M	35.1	0.471	0.160	0.542	1.977	0.115	0.226
464	4	M	30.6	0.420	0.194	0.535	1.825	0.099	0.214
466	4	M	36.0	0.471	0.176	0.654	2.073	0.089	0.177
478	4	M	32.7	0.470	0.165	0.553	1.887	0.106	0.229
499	4	M	34.4	0.470	0.174	0.560	1.870	0.082	0.211
504	4	M	35.4	0.472	0.202	0.658	2.072	0.116	0.215
505	4	M	36.1	0.476	0.205	0.748	2.270	0.160	0.250
518	4	M	34.3	0.486	0.176	0.534	1.760	0.078	0.241
519	4	M	34.1	0.504	0.191	0.649	1.911	0.110	0.248
532	4	F	29.5	0.497	0.126	0.397	1.447	0.095	---
540	4	F	26.8	0.513	0.139	0.486	1.484	0.095	---
547	4	F	26.3	0.496	0.130	0.393	1.556	0.101	---
550	4	F	27.7	0.462	0.146	0.433	1.782	0.116	---
560	4	F	30.4	0.532	0.136	0.449	1.750	0.109	---
580	4	F	24.5	0.493	0.117	0.373	1.374	0.070	---
581	4	F	26.7	0.499	0.116	0.358	1.439	0.086	---
582	4	F	27.8	0.507	0.130	0.406	1.641	0.109	---
590	4	F	25.4	0.491	0.137	0.370	1.390	0.090	---
597	4	F	29.1	0.501	0.115	0.348	1.415	0.085	---

--- = NO AVAILABLE DATA

Table VII.6b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 52

ANIMAL NO	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
1	1	M	41.4	0.507	0.199	0.705	2.370	0.157	0.244
4	1	M	36.0	0.479	0.197	0.554	1.988	0.078	0.217
12	1	M	41.4	0.457	0.194	0.654	2.002	0.091	0.252
18	1	M	34.2	0.500	0.167	0.622	2.010	0.120	0.218
21	1	M	45.5	0.499	0.210	0.838	2.723	0.088	0.241
26	1	M	40.1	0.401	0.196	0.619	1.973	0.091	0.210
32	1	M	38.3	0.505	0.207	0.698	2.234	0.108	0.238
36	1	M	38.4	0.480	0.174	0.640	1.894	0.078	0.226
44	1	M	38.2	0.487	0.203	0.711	2.031	0.117	0.243
50	1	M	43.6	0.483	0.221	0.684	2.444	0.102	0.240
84	1	F	33.0	0.455	0.151	0.378	1.533	0.085	---
111	1	F	38.2	0.513	0.164	0.513	2.009	0.095	---
116	1	F	34.9	0.497	0.173	0.476	1.777	0.081	---
121	1	F	33.8	0.504	0.126	0.415	1.540	0.096	---
123	1	F	29.3	0.516	0.144	0.410	1.498	0.123	---
124	1	F	32.3	0.522	0.137	0.417	1.747	0.117	---
126	1	F	29.0	0.495	0.132	0.435	1.553	0.100	---
138	1	F	28.2	0.485	0.139	0.435	1.467	0.090	---
142	1	F	35.8	0.495	0.141	0.455	1.797	0.105	---
145	1	F	34.5	0.505	0.151	0.514	1.709	0.096	---
17[illegible]	2	M	42.8	0.478	0.231	0.760	2.208	0.094	0.246
173	2	M	42.0	0.496	0.219	0.734	2.424	0.141	0.239
175	2	M	38.7	0.447	0.205	0.808	1.958	0.086	0.232
183	2	M	40.2	0.473	0.222	0.639	2.102	0.093	0.228
188	2	M	39.4	0.488	0.205	0.690	2.098	0.087	0.243
196	2	M	41.1	0.487	0.214	0.723	2.293	0.090	0.250
198	2	M	36.6	0.490	0.190	0.650	2.066	0.089	0.217
201	2	M	42.1	0.493	0.207	0.661	2.310	0.100	0.237
202	2	M	44.6	0.513	0.246	0.789	2.551	0.124	0.235
213	2	M	34.0	0.490	0.171	0.619	1.964	0.081	0.207
232	2	F	35.5	0.492	0.143	0.443	1.616	0.099	---
233	2	F	34.4	0.491	0.142	0.377	1.646	0.086	---
254	2	F	41.4	0.519	0.147	0.468	2.048	0.141	---
257	2	F	25.0	0.506	0.140	0.403	1.298	0.088	---
263	2	F	35.6	0.447	0.158	0.395	1.609	0.106	---
267	2	F	37.0	0.530	0.156	0.510	2.029	0.227	---
272	2	F	38.1	0.503	0.158	0.456	1.756	0.098	---
275	2	F	25.5	0.401	0.139	0.360	1.556	0.092	---
284	2	F	40.0	0.380	0.132	0.440	1.784	0.090	---
296	2	F	27.3	0.460	0.138	0.387	1.417	0.093	---

--- = NO AVAILABLE DATA

Table VII.6b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) TEST WEEK 52

ANIMAL NO	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
307	3	M	42.3	0.487	0.204	0.675	2.089	0.099	0.249
311	3	M	43.4	0.492	0.247	0.786	2.548	0.096	0.241
312	3	M	43.2	0.505	0.205	0.707	2.280	0.108	0.245
315	3	M	38.8	0.483	0.195	0.699	2.135	0.102	0.233
319	3	M	45.1	0.463	0.176	0.634	2.508	0.120	0.219
335	3	M	42.0	0.483	0.182	0.630	2.185	0.083	0.238
359	3	M	37.7	0.470	0.190	0.599	2.048	0.109	0.220
360	3	M	34.6	0.459	0.171	0.550	1.626	0.082	0.225
362	3	M	38.2	0.514	0.201	0.730	1.453	0.096	0.232
367	3	M	41.6	0.532	0.217	0.743	2.482	0.105	0.223
379	3	F	29.6	0.498	0.128	0.401	1.714	0.154	---
385	3	F	35.5	0.501	0.139	0.439	1.970	0.102	---
391	3	F	34.1	0.508	0.149	0.467	1.707	0.101	---
395	3	F	35.3	0.477	0.137	0.483	1.790	0.144	---
408	3	F	33.9	0.502	0.143	0.459	1.790	0.079	---
411	3	F	29.4	0.497	0.129	0.392	1.660	0.086	---
413	3	F	35.6	0.495	0.132	0.438	1.865	0.093	---
423	3	F	28.7	0.476	0.123	0.373	1.611	0.086	---
431	3	F	32.6	0.506	0.161	0.448	1.537	0.078	---
439	3	F	30.8	0.512	0.122	0.430	1.669	0.090	---
456	4	M	34.0	0.467	0.177	0.656	2.069	0.099	0.202
458	4	M	33.8	0.494	0.202	0.640	2.050	0.120	0.056
470	4	M	33.1	0.470	0.178	0.637	1.936	0.116	0.215
471	4	M	39.0	0.480	0.191	0.678	2.078	0.101	0.234
477	4	M	34.2	0.476	---	0.722	1.721	0.060	0.235
[illegible]	4	M	34.7	0.490	0.196	0.617	2.046	0.113	0.217
493	4	M	38.9	0.470	0.217	0.801	2.228	0.137	0.214
[illegible]	4	M	39.2	0.526	0.217	0.719	2.186	0.118	0.250
[illegible]	4	M	41.2	[illegible]	[illegible]	0.730	2.249	0.096	0.238
523	4	M	32.0	0.493	0.202	0.649	1.808	0.120	0.210
533	4	F	30.3	0.493	0.140	0.524	1.984	0.119	---
539	4	F	41.0	0.516	0.150	0.490	2.106	0.131	---
543	4	F	33.0	0.481	0.154	0.393	1.760	0.106	---
553	4	F	28.7	0.449	0.151	0.438	1.765	0.100	---
555	4	F	28.6	0.485	0.134	0.417	1.710	0.122	---
556	4	F	32.3	0.486	0.174	0.432	1.838	0.110	---
565	4	F	33.3	0.488	0.140	0.474	1.638	0.096	---
570	4	F	31.3	0.514	0.150	0.464	1.784	0.128	---
598	4	F	39.0	0.526	0.147	0.492	2.318	0.133	---
599	4	F	28.5	0.530	0.137	0.430	1.609	0.095	---

--- = NO AVAILABLE DATA

Table VII.6c

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
2	1	M	37.0	0.473	0.192	0.691	2.006	0.849	0.206
5	1	M	36.8	0.487	0.228	0.672	1.706	0.120	0.201
7	1	M	34.6	0.485	0.170	0.537	1.718	1.067	0.201
10	1	M	34.5	0.475	0.161	0.514	---	0.161	0.158
11	1	M	42.1	0.530	0.263	0.944	2.166	0.125	0.236
13	1	M	38.9	0.494	0.228	0.727	1.803	0.960	0.205
14	1	M	37.9	0.512	0.232	0.719	1.700	0.830	0.221
15	1	M	30.4	0.454	0.286	0.646	---	0.323	0.166
17	1	M	48.3	0.523	0.290	0.948	2.757	0.101	0.231
19	1	M	29.3	0.462	0.223	0.653	1.778	0.258	0.190
20	1	M	41.7	0.470	0.199	0.590	4.376	1.656	0.184
22	1	M	44.5	0.479	0.204	0.713	1.734	0.081	0.232
23	1	M	38.9	0.515	0.246	0.706	1.847	0.147	0.238
25	1	M	40.5	0.496	0.257	0.661	1.860	0.880	0.205
28	1	M	48.0	0.506	0.259	0.983	2.574	0.115	0.220
29	1	M	38.2	0.490	0.228	0.726	1.823	0.167	0.205
30	1	M	35.5	0.493	0.203	0.641	---	0.093	0.211
31	1	M	45.9	0.522	0.254	0.832	2.878	0.105	0.238
33	1	M	39.3	0.515	0.212	0.755	2.038	1.051	0.234
34	1	M	39.2	0.438	0.222	0.666	1.640	0.332	0.191
35	1	M	37.7	0.498	0.200	0.599	---	0.083	0.204
37	1	M	32.9	0.498	0.219	0.680	---	0.162	0.200
46	1	M	34.8	0.501	0.184	0.830	1.809	0.373	0.231
47	1	M	34.7	0.497	0.216	0.881	1.944	0.107	0.200
51	1	M	39.3	0.507	0.241	0.707	2.022	0.101	0.202
53	1	M	33.3	0.498	0.280	0.643	---	0.177	0.170
54	1	M	43.0	0.493	0.260	0.726	1.886	0.104	0.224
55	1	M	38.1	0.493	0.225	0.711	1.738	0.107	0.223
57	1	M	37.8	0.508	0.310	0.820	2.918	0.633	0.224
58	1	M	40.8	0.494	0.233	0.775	1.983	0.138	0.219
60	1	M	32.5	0.456	0.201	0.654	---	0.135	0.217
61	1	M	45.8	0.446	0.229	0.797	2.411	0.107	0.218
63	1	M	43.9	0.500	0.273	0.777	2.429	0.106	0.235
64	1	M	34.8	0.597	0.185	0.722	1.605	0.116	0.208
66	1	M	45.9	0.519	0.280	0.804	2.444	0.198	0.224
67	1	M	22.3	0.414	0.230	0.391	---	0.059	0.071
69	1	M	43.4	0.509	0.237	0.713	2.261	0.980	0.214
70	1	M	43.7	0.462	0.215	0.758	1.985	0.169	0.226
71	1	M	36.0	0.488	0.220	0.682	1.737	0.096	0.168
72	1	M	34.9	0.467	0.213	0.644	1.563	0.182	0.237

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
73	1	M	35.5	0.512	0.345	0.631	---	0.367	0.187
75	1	M	33.9	0.480	0.197	0.655	2.056	0.169	0.203
78	1	F	40.0	0.500	0.184	0.494	1.812	0.180	
79	1	F	36.2	0.478	0.174	0.439	1.716	0.129	
80	1	F	38.0	0.483	0.183	0.517	1.925	0.284	
81	1	F	40.9	0.494	0.179	0.493	1.872	0.176	
82	1	F	40.0	0.490	0.196	0.505	1.641	0.162	
83	1	F	34.2	0.530	0.189	0.482	2.296	1.183	
85	1	F	39.4	0.468	0.170	0.480	1.837	0.252	
87	1	F	32.7	0.518	0.169	0.445	1.689	0.990	
90	1	F	23.8	0.482	0.154	0.422	1.384	0.129	
91	1	F	37.3	0.573	0.176	0.561	1.943	0.135	
93	1	F	34.5	0.526	0.166	0.462	1.765	0.198	
95	1	F	35.6	0.484	0.163	0.418	1.781	0.164	
96	1	F	45.4	0.522	0.222	0.622	2.167	0.688	
98	1	F	39.6	0.510	0.180	0.497	1.824	0.235	
99	1	F	44.2	0.508	0.225	0.613	2.442	0.219	
101	1	F	40.4	0.487	0.174	0.448	1.620	0.118	
103	1	F	30.9	0.510	0.168	0.584	1.676	0.538	
106	1	F	27.9	0.491	0.143	0.390	1.306	0.137	
109	1	F	42.3	0.538	0.203	0.598	2.385	0.478	
110	1	F	37.8	0.507	0.187	0.583	1.981	0.159	
112	1	F	33.4	0.481	0.143	0.439	1.608	0.147	
114	1	F	30.7	0.485	0.172	0.483	1.459	0.120	
115	1	F	26.3	0.590	0.247	0.706	2.051	0.108	
117	1	F	40.2	0.522	0.183	0.497	1.741	0.127	
118	1	F	36.4	0.538	0.252	0.657	2.035	0.257	
122	1	F	35.7	0.565	0.232	0.691	2.191	0.685	
124	1	F	38.4	0.513	0.160	0.375	1.507	0.157	
130	1	F	30.5	0.503	0.160	0.499	1.648	0.406	
132	1	F	35.8	0.488	0.239	0.499	2.380	0.423	
133	1	F	38.6	0.540	0.250	0.777	2.037	0.139	
134	1	F	39.9	0.535	0.185	0.573	1.883	0.143	
135	1	F	36.0	0.496	0.196	0.404	1.750	0.153	
136	1	F	35.4	0.522	0.195	0.627	2.296	0.941	
140	1	F	38.2	0.496	0.196	0.439	1.689	0.364	
141	1	F	28.9	0.488	0.178	0.503	1.471	0.168	
147	1	F	42.2	0.527	0.203	0.557	1.875	0.164	
149	1	F	38.8	0.520	0.208	0.447	2.001	0.391	
150	1	F	39.7	0.526	0.226	0.589	1.929	0.201	

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
152	2	M	27.9	0.432	0.250	0.585	---	0.346	0.162
155	2	M	38.7	0.512	0.246	0.760	2.489	0.127	0.212
156	2	M	44.8	0.477	0.253	0.648	2.109	0.089	0.190
157	2	M	41.0	0.478	0.258	0.633	1.871	0.131	0.189
160	2	M	37.4	0.487	0.222	0.781	2.321	0.095	0.197
161	2	M	38.9	0.473	0.225	0.805	---	0.165	0.179
163	2	M	38.8	0.493	0.197	0.671	1.905	0.127	0.206
164	2	M	44.5	0.495	0.239	0.805	2.068	0.109	0.251
166	2	M	35.9	0.466	0.202	0.706	2.045	0.138	0.215
168	2	M	39.2	0.494	0.246	0.763	1.932	0.111	0.208
172	2	M	40.0	0.461	0.220	0.685	1.879	0.088	0.212
174	2	M	37.6	0.487	0.234	0.777	1.817	0.075	0.203
176	2	M	35.9	0.506	0.254	0.819	2.001	0.096	0.214
177	2	M	37.5	0.543	0.250	0.801	1.797	0.080	0.280
178	2	M	33.3	0.485	0.209	0.741	1.672	0.086	0.195
179	2	M	37.6	0.521	0.264	0.835	2.061	0.157	0.202
180	2	M	33.8	0.400	0.251	0.796	1.717	0.090	0.206
181	2	M	38.7	0.501	0.244	0.832	2.472	1.583	0.203
182	2	M	35.2	0.495	0.288	0.842	---	0.210	0.227
184	2	M	39.9	0.476	0.215	0.681	2.016	0.263	0.193
186	2	M	42.9	0.505	0.240	0.881	2.240	0.150	0.215
189	2	M	36.6	0.494	0.752	0.659	1.681	0.083	0.221
191	2	M	33.6	0.469	0.189	0.808	1.644	0.058	0.205
195	2	M	42.4	0.511	0.250	0.830	2.064	0.101	0.223
197	2	M	35.4	0.480	0.214	0.820	1.937	0.097	0.210
200	2	M	35.2	0.525	0.254	0.861	1.970	0.102	0.258
203	2	M	43.2	0.489	0.245	0.799	2.208	0.097	0.202
205	2	M	39.8	0.467	0.207	0.661	1.895	0.117	0.219
207	2	M	41.4	0.520	0.247	0.713	2.118	0.098	0.213
208	2	M	41.0	0.488	0.230	0.740	2.170	0.341	0.223
210	2	M	39.4	0.502	0.226	0.815	1.983	0.126	0.215
211	2	M	44.1	0.507	0.247	0.847	2.255	0.112	0.227
212	2	M	32.8	0.488	0.193	0.614	2.641	0.110	0.182
216	2	M	36.5	0.430	0.221	0.646	1.652	0.185	0.216
217	2	M	38.7	0.493	0.208	0.830	1.760	0.078	0.200
218	2	M	44.9	0.485	0.246	0.808	2.293	0.107	0.199
219	2	M	40.4	0.477	0.280	0.760	1.815	0.136	0.215
221	2	M	37.2	0.458	0.194	0.575	1.485	0.080	0.186
222	2	M	38.6	0.464	0.224	0.740	---	0.127	0.208
224	2	M	46.7	0.465	0.235	0.841	2.164	0.088	0.233

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
225	2	M	48.6	0.450	0.252	0.763	2.449	0.120	0.250
226	2	F	41.4	0.507	0.196	0.585	1.996	0.186	---
228	2	F	34.4	0.479	0.185	0.460	1.681	0.198	---
229	2	F	39.4	0.480	0.218	0.484	1.706	0.234	---
230	2	F	38.5	0.520	0.303	0.636	2.282	0.361	---
231	2	F	32.9	0.531	0.180	0.591	1.708	0.191	---
234	2	F	32.0	0.498	0.169	0.457	1.661	0.098	---
235	2	F	36.0	0.502	0.174	0.483	---	0.242	---
236	2	F	42.1	0.500	0.169	0.528	1.992	0.135	---
237	2	F	39.0	0.497	0.163	0.474	1.791	0.148	---
238	2	F	42.0	0.533	0.227	0.705	2.274	0.195	---
239	2	F	38.9	0.511	0.173	0.533	1.882	0.121	---
241	2	F	31.9	0.491	0.138	0.396	1.568	0.107	---
244	2	F	37.8	0.525	0.170	0.468	1.605	0.133	---
245	2	F	47.0	0.510	0.178	0.535	1.920	0.185	---
247	2	F	34.4	0.495	0.230	0.507	2.349	0.419	---
251	2	F	32.0	0.468	0.220	0.510	1.996	0.311	---
256	2	F	34.0	0.503	0.164	0.466	4.791	3.113	---
258	2	F	41.2	0.518	0.220	0.528	2.026	0.182	---
259	2	F	35.0	0.506	0.171	0.476	1.525	0.138	---
260	2	F	30.0	0.530	0.177	0.460	1.552	0.265	---
261	2	F	34.4	0.477	0.197	0.487	2.239	0.224	---
262	2	F	40.2	0.503	0.164	0.554	1.803	0.135	---
264	2	F	34.7	0.500	0.214	0.561	2.516	0.465	---
266	2	F	32.9	0.499	0.195	0.492	1.822	0.453	---
269	2	F	32.4	0.514	0.165	0.509	1.611	0.144	---
270	2	F	40.0	0.483	0.203	0.496	2.135	0.642	---
273	2	F	28.7	0.490	0.163	0.446	1.713	0.492	---
276	2	F	35.8	0.493	0.164	0.453	1.681	0.193	---
277	2	F	43.9	0.508	0.164	0.528	2.068	0.323	---
278	2	F	27.4	0.503	0.162	0.940	2.932	0.715	---
279	2	F	37.4	0.665	0.256	0.706	3.423	1.646	---
280	2	F	45.2	0.517	0.194	0.515	1.921	0.150	---
282	2	F	29.6	0.530	0.195	0.487	1.520	0.184	---
287	2	F	39.9	0.490	0.180	0.461	1.928	0.235	---
289	2	F	33.3	0.504	0.217	0.622	1.958	0.366	---
290	2	F	50.2	0.502	0.206	0.525	2.000	0.104	---
292	2	F	27.8	0.507	0.179	0.548	1.840	0.700	---
293	2	F	27.9	0.496	0.176	0.465	---	0.191	---
298	2	F	44.4	0.503	0.233	0.495	1.628	0.141	---

--- - NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
300	3	F	35.8	0.464	0.171	0.512	1.527	0.112	---
303	3	M	35.7	0.455	0.213	0.749	1.822	0.222	0.224
304	3	M	45.9	0.499	0.240	0.827	2.976	0.166	0.236
306	3	M	43.7	0.488	0.210	0.784	1.985	0.166	0.236
309	3	M	38.2	0.447	0.205	0.707	1.919	0.305	0.217
310	3	M	36.2	0.492	0.207	0.694	745	0.115	0.200
313	3	M	39.0	0.501	0.210	0.698	2.463	0.234	0.230
316	3	M	29.4	0.509	0.200	0.587	---	0.185	0.195
317	3	M	30.1	0.444	0.16	0.518	1.456	0.071	0.181
318	3	M	41.4	0.506	0.233	0.769	1.969	0.116	0.189
322	3	M	46.8	0.481	0.207	0.760	2.498	0.100	0.206
323	3	M	40.9	0.416	0.210	0.773	2.215	0.111	0.223
325	3	M	33.7	0.486	0.201	0.681	1.869	0.113	0.208
326	3	M	37.9	0.466	0.210	0.741	1.985	0.184	0.212
327	3	M	37.0	0.496	0.205	0.713	1.700	0.101	0.212
328	3	M	34.2	0.504	0.245	0.681	---	0.144	0.183
329	3	M	35.1	0.519	0.238	0.636	---	0.202	0.223
332	3	M	37.9	0.464	0.193	0.799	1.809	0.102	0.221
334	3	M	37.9	0.493	0.210	0.635	1.827	0.080	0.189
337	3	M	35.8	0.469	0.186	0.626	2.043	0.073	0.206
339	3	M	41.0	0.515	0.353	0.822	---	0.192	0.206
340	3	M	39.2	0.511	0.228	0.912	2.734	0.127	0.232
344	3	M	39.5	0.491	0.232	0.722	2.087	0.107	0.222
345	3	M	31.2	0.467	0.241	0.707	2.506	0.174	0.167
346	3	M	40.6	0.436	0.207	0.712	1.861	0.136	0.258
348	3	M	37.7	0.483	0.170	0.588	---	0.297	0.191
349	3	M	38.4	0.501	0.266	0.647	2.135	0.403	0.217
350	3	M	37.2	0.475	0.195	0.647	1.892	0.156	0.211
351	3	M	30.8	0.462	0.176	0.596	1.794	0.168	0.174
352	3	M	41.0	0.510	0.228	0.755	1.786	0.088	0.255
353	3	M	37.7	0.490	0.231	0.818	2.031	0.087	0.219
354	3	M	42.1	0.509	0.241	0.934	2.085	0.136	0.240
355	3	M	35.7	0.458	0.201	0.679	1.420	0.079	0.206
356	3	M	38.8	0.480	0.218	0.750	1.826	0.088	0.233
357	3	M	34.0	0.444	0.225	0.691	---	0.225	0.176
361	3	M	33.5	0.449	0.201	0.690	1.621	0.088	0.203
364	3	M	34.1	0.475	0.213	0.691	---	0.170	0.215
365	3	M	33.7	0.498	0.331	0.758	---	0.152	0.216
368	3	M	32.6	0.485	0.204	0.702	1.742	0.143	0.195
372	3	M	33.5	0.475	0.246	0.672	---	0.177	0.161

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO.	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
373	3	M	39.1	0.517	0.250	0.647	1.734	0.101	0.222
374	3	M	37.7	0.488	0.201	0.694	1.725	0.100	0.174
375	3	M	30.9	0.468	0.211	0.566	1.709	0.533	0.189
376	3	F	31.6	0.493	0.180	0.470	1.595	0.180	---
378	3	F	48.6	0.515	0.173	0.545	2.145	0.145	---
380	3	F	39.2	0.524	0.200	0.506	1.978	0.151	---
382	3	F	31.9	0.495	0.162	0.464	1.560	0.264	---
384	3	F	34.2	0.479	0.187	0.548	---	1.146	---
386	3	F	43.6	0.506	0.156	0.517	2.327	1.933	---
387	3	F	48.6	0.482	0.171	0.440	1.780	0.167	---
388	3	F	36.1	0.509	0.203	0.461	1.350	0.122	---
389	3	F	44.4	0.481	0.166	0.503	1.904	0.378	---
390	3	F	34.8	0.500	0.149	0.453	1.554	0.157	---
392	3	F	34.1	0.467	0.187	0.482	1.716	0.146	---
393	3	F	38.9	0.507	0.176	0.532	1.977	0.362	---
396	3	F	42.8	0.496	0.248	0.494	1.630	0.181	---
397	3	F	42.6	0.470	0.153	0.450	1.535	0.126	---
398	3	F	40.0	0.521	0.165	0.502	1.810	0.160	---
400	3	F	44.1	0.475	0.170	0.400	1.794	0.523	---
403	3	F	38.2	0.483	0.158	0.541	2.046	0.368	---
405	3	F	37.7	0.472	0.215	0.609	1.933	0.252	---
406	3	F	32.9	0.491	0.171	0.489	1.765	0.324	---
407	3	F	42.9	0.534	0.179	0.603	1.951	0.136	---
412	3	F	36.2	0.516	0.196	0.535	1.981	0.147	---
415	3	F	33.4	0.524	0.174	0.542	1.787	0.299	
416	3	F	36.9	0.523	0.159	0.515	1.828	0.125	
417	3	F	41.3	0.465	0.185	0.518	1.961	0.297	
419	3	F	36.5	0.492	0.157	0.465	1.546	0.233	
420	3	F	32.3	0.500	0.178	0.415	1.494	0.156	
422	3	F	38.2	0.498	0.178	0.465	1.833	0.144	
424	3	F	38.7	0.493	0.182	0.543	1.798	0.209	
425	3	F	38.1	0.500	0.233	0.535	1.796	0.130	
426	3	F	37.1	0.510	0.167	0.480	1.821	0.358	
427	3	F	37.0	0.500	0.165	0.510	1.714	0.126	
428	3	F	41.9	0.391	0.158	0.521	1.889	0.283	
430	3	F	31.8	0.500	0.183	0.524	1.785	0.111	
432	3	F	34.6	0.496	0.182	0.464	1.674	0.215	
434	3	F	40.8	0.512	0.188	0.570	1.852	0.153	
435	3	F	38.1	0.490	0.170	0.522	2.073	0.448	
436	3	F	46.0	0.518	0.252	0.732	2.199	0.130	

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
437	4	F	40.2	0.472	0.159	0.472	2.002	0.251	---
440	4	F	33.2	0.520	0.157	0.433	1.728	0.111	---
441	4	F	36.6	0.506	0.215	0.530	1.896	---	
442	4	F	39.4	0.476	0.185	0.726	1.937	0.155	---
443	4	F	40.3	0.488	0.175	0.495	1.834	0.113	---
444	4	F	48.5	0.530	0.186	0.614	2.236	0.254	---
446	4	F	35.9	0.479	0.318	0.542	2.616	0.439	---
447	4	F	40.8	0.500	0.158	0.500	1.686	0.126	---
448	4	F	42.3	0.509	0.179	0.575	1.896	0.154	
450	4	F	38.1	0.515	0.221	0.719	2.670	0.563	---
451	4	M	36.9	0.497	0.218	0.768	2.036	0.099	0.237
452	4	M	35.8	0.470	0.162	0.603	3.671	2.811	0.214
453	4	M	29.7	0.465	0.198	0.666	2.800	0.098	0.200
454	4	M	38.3	0.520	0.245	0.837	1.998	0.117	0.239
460	4	M	31.6	0.461	0.175	0.786	1.715	0.082	0.194
462	4	M	36.8	0.509	0.200	0.776	2.075	0.149	0.231
465	4	M	42.0	0.481	0.224	0.956	2.397	0.120	0.246
468	4	M	34.5	0.450	0.215	0.900	1.932	0.088	0.212
469	4	M	31.0	0.448	0.194	0.642	---	0.117	0.200
472	4	M	36.6	0.470	0.201	0.766	1.955	0.100	0.227
473	4	M	34.3	0.510	0.200	0.682	1.786	0.119	0.212
474	4	M	36.4	0.491	0.256	0.685	1.797	0.098	0.197
475	4	M	32.3	0.472	0.176	0.636	1.504	0.096	0.215
476	4	M	36.8	0.479	0.199	0.672	2.066	0.240	0.159
479	4	M	33.0	0.495	0.174	0.560	1.954	0.724	0.197
480	4	M	37.2	0.449	0.215	0.821	1.982	0.090	0.253
481	4	M	38.5	0.512	0.230	0.857	2.098	0.098	0.230
483	4	M	28.5	0.359	0.176	0.589	1.468	0.059	0.186
484	4	M	33.9	0.522	0.221	0.771	1.733	0.109	0.240
485	4	M	32.1	0.491	0.205	0.638	2.519	0.270	0.202
486	4	M	30.0	0.463	0.173	0.591	1.486	0.075	0.197
487	4	M	41.1	0.513	0.230	0.853	3.114	0.111	0.213
488	4	M	32.0	0.483	0.216	0.578	1.482	0.185	0.215
489	4	M	25.0	0.538	0.140	0.511	1.380	0.094	0.200
492	4	M	26.8	0.471	0.205	0.579	---	0.177	0.106
494	4	M	33.2	0.474	0.224	0.640	---	0.150	0.179
495	4	M	33.9	0.478	0.202	0.667	3.003	0.097	0.162
496	4	M	29.6	0.388	0.183	0.770	2.690	0.056	0.194
501	4	M	37.2	0.497	0.234	0.813	2.198	0.110	0.217
503	4	M	36.9	0.472	0.224	0.751	1.712	0.062	0.235

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
506	4	M	36.5	0.516	0.260	0.762	---	0.177	0.214
507	4	M	33.4	0.489	0.207	0.763	1.531	0.083	0.229
508	4	M	34.4	0.501	0.200	0.747	1.984	0.167	0.235
511	4	M	34.0	0.518	0.200	0.750	1.827	0.081	0.214
512	4	M	36.6	0.498	0.210	0.769	1.981	0.101	0.221
513	4	M	37.6	0.469	0.220	0.804	1.889	0.106	0.210
514	4	M	36.4	0.473	0.222	0.794	1.903	0.122	0.206
515	4	M	30.3	0.478	0.167	0.715	1.727	0.326	0.167
516	4	M	32.3	0.447	0.227	0.713	2.151	0.096	0.182
517	4	M	36.4	0.482	0.253	0.877	1.965	0.990	0.216
521	4	M	29.2	0.412	0.193	0.616	1.775	0.083	0.178
522	4	M	34.0	0.429	0.221	0.681	1.728	0.102	0.216
525	4	M	33.4	0.474	0.233	0.718	1.819	0.090	0.210
526	4	F	38.7	0.504	0.162	0.505	2.050	0.425	---
528	4	F	25.4	0.433	0.138	0.417	1.539	0.212	---
529	4	F	42.4	0.564	0.171	0.568	2.167	0.153	---
530	4	F	32.9	0.525	0.233	0.690	---	0.245	---
531	4	F	23.2	0.588	0.123	0.581	1.599	0.781	---
534	4	F	35.7	0.482	0.179	0.603	1.972	0.204	---
535	4	F	36.3	0.508	0.175	0.530	1.819	0.200	---
536	4	F	33.6	0.499	0.189	0.454	1.809	0.160	---
537	4	F	32.9	0.487	0.174	0.510	2.025	0.999	---
538	4	F	30.7	0.489	0.134	0.424	1.432	0.192	---
542	4	F	37.5	0.504	0.188	0.614	2.071	0.158	---
544	4	F	32.3	0.483	0.200	0.460	1.618	0.129	---
545	4	F	26.3	0.510	0.147	0.472	1.925	0.340	---
546	4	F	30.0	0.505	0.150	0.504	1.473	0.256	---
551	4	F	34.3	0.537	0.177	0.558	2.005	0.187	---
552	4	F	30.7	0.490	0.168	0.498	---	0.603	---
554	4	F	38.2	0.493	0.161	0.506	1.956	0.188	---
557	4	F	31.1	0.513	0.167	0.499	1.836	0.270	---
558	4	F	33.0	0.503	0.200	0.473	2.150	0.250	---
559	4	F	40.4	0.487	0.202	0.532	1.850	0.236	---
561	4	F	41.8	0.533	0.219	0.665	2.598	0.327	---
562	4	F	26.5	0.477	0.169	0.474	---	0.454	---
563	4	F	34.9	0.440	0.255	0.405	1.811	0.127	---
566	4	F	32.2	0.456	0.207	0.502	1.835	0.250	---
567	4	F	38.8	0.440	0.194	0.526	1.901	0.133	---
568	4	F	36.2	0.476	0.307	0.486	2.808	0.178	---
569	4	F	31.4	0.490	0.177	0.510	1.772	0.273	---

--- = NO AVAILABLE DATA

Table VII.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

ANIMAL NO	TR GROUP	SEX	BODY WT	BRAIN	HEART	KIDNEYS	LIVER	SPLEEN	GONADS
571	5	F	29.5	0.464	0.215	0.585	1.703	0.130	---
572	5	F	34.1	0.480	0.143	0.478	1.668	0.158	
573	5	F	29.6	0.466	0.199	0.441	1.463	0.112	
574	5	F	36.5	0.495	0.205	0.460	1.863	0.169	---
575	5	F	36.2	0.515	0.180	0.511	1.864	0.182	---
576	5	F	40.1	0.530	0.183	0.478	1.575	0.207	---
577	5	F	27.1	0.480	0.144	0.510	1.687	0.230	---
578	5	F	27.9	0.497	0.146	0.424	1.401	0.222	---
579	5	F	25.2	0.445	0.133	0.446	1.601	---	---
583	5	F	31.8	0.513	0.166	0.520	1.608	0.144	
584	5	F	30.6	0.512	0.170	0.481	1.762	0.151	---
585	5	F	37.6	0.480	0.146	0.536	2.595	0.222	---
586	5	F	29.4	0.488	0.201	0.534	1.558	0.158	---
588	5	F	42.5	0.507	0.184	0.568	2.077	0.216	---
589	5	F	32.7	0.491	0.159	0.556	2.076	0.301	---
591	5	F	40.4	0.507	0.166	0.537	1.796	0.178	
592	5	F	31.9	0.479	0.158	0.503	1.846	0.396	---
593	5	F	31.9	0.565	0.156	0.466	1.383	0.098	---
594	5	F	32.0	0.503	0.171	0.488	---	0.213	---
596	5	F	28.8	0.498	0.171	0.538	1.818	0.330	---
600	5	F	28.0	0.493	0.176	0.457	1.377	0.169	---

--- = NO AVAILABLE DATA

APPENDIX VIII

CHLORTETRACYCLINE CONTENT OF 5002

CHRLORTETRACYCLINE CONTENT OF 5002

ANALYTICAL RESULTS (ppm)

SOURCE OF ANALYSIS	SAMPLE IDENTIFICATION A	B	C	D
TEI ANALYTICAL*			9.9	
TEI ANALYTICAL*	12	9.9	7.7	10.2
SCIENTIFIC ASSOCIATES**	1.76	1.72	1.20	1.64
WOODSEN-TENENT LABS, INC.**	N. D.	N. D.	N. D.	N. D.
HARRIS LABS, INC.**	<0.05	<0.05	<0.05	<0.05

Sample A = Lot No Sept.18.81
Sample B = Lot No Dec.10.81
Sample C = Lot No March.24.82 (Original lot)
Sample D = Lot No Sept.10.82

*Method: Snell and Snell, Colorimetric method of analysis. Vol. IVAAA, pg. 184

**Method: AOAC, XIII, pg.722-723, paragraph 42.211-42.214;

N. D. = None Detected

APPENDIX IX

NITRATE, NITRITE AND MERCURY CONTENT OF 5002

NITRATE, NITRITE, AND MERCURY CONTENT OF 5002

LOT NUMBER	NITRATES(ug/g)	NITRITES(ug/g)	MERCURY(ug/g)
/AUG 04-811T	28	0.5	0.03
/SEPT 18-811A	<2.0	<0.1	0.05
/OCT 07-811J	6.3	0.2	0.15
/NOV 12-811G	16	0.4	<0.02
/DEC 10-811A	12	<0.2	0.09
/JAN 22-821K	14	<0.2	<0.05
/FEB 09-821C	7.2	0.4	0.05
/MARCH 24-822G	19.0	0.24	<0.05
/MAY 12-822F	16.4	0.1	<0.05
/JUNE 04-821K	17.0	0.1	<0.05
/JULY 29-821G	11.8	0.1	0.06
/SEPT 10-822J	5.0	0.1	0.2
/OCT 20-822L	4.7	0.1	0.2
/NOV 23-821M	15.4	0.2	0.05
/APRIL 14-831B	19.6	0.1	<0.02
/JULY 07-832G	<5.0	<0.1	0.06

APPENDIX X

CHICAGO WATER CHEMICAL ANALYSIS

CITY OF CHICAGO
WATER PURIFICATION DIVISION

DEPARTMENT OF WATER
WATER PURIFICATION LABORATORY

BUREAU OF WATER OPERATIONS

SAMPLES COLLECTED Feb. 3, 19 82

COMPREHENSIVE CHEMICAL ANALYSIS

ANALYSIS COMPLETED March 30, 19 82

	PARAMETER	IPCB MCL 1979	DETERMINED AS	STORET NUMBER	SOUTH WATER DISTRICT RAW CRIB	SOUTH WATER DISTRICT COMPOSITE SAMPLES OUTLET	SOUTH WATER DISTRICT COMPOSITE SAMPLES DISTRIBUTION	CENTRAL AND NORTH WATER DISTRICTS RAW CRIB	CENTRAL AND NORTH WATER DISTRICTS COMPOSITE SAMPLES OUTLET	CENTRAL AND NORTH WATER DISTRICTS COMPOSITE SAMPLES CEN. DISTR	CENTRAL AND NORTH WATER DISTRICTS COMPOSITE SAMPLES NOR DISTR.
	TEMPERATURE		°C	00010	3	4	7	5	3	4	3
	TURBIDITY	1	NTU	00076	5.0	0.15	0.20	0.50	0.27	0.28	0.30
	THRESHOLD ODOR, STRAIGHT	3	T.O.N.	00086	20f	1Cc	1Cc	20m	1Cc	1Cc	1Cc
	THRESHOLD ODOR, DECHLORINATED	3	T.O.N.		-	1H	1H	-	1H	1H	1H
	COLOR	15	Pt-Co UNITS	00080	2	0	0	1	0	0	0
	pH	6.5-8.5	STD UNITS	00400	8.3	8.3	8.3	8.3	8.4	8.5	8.4
MILLIGRAMS/LITER	ALKALINITY, PHTH.		$CaCO_3$	00415	0	0	0	0	1	1	1
	ALKALINITY, TOTAL		$CaCO_3$	00410	109	115	115	114	117	118	118
	SULFATE	250	SO_4	00945	25.0	27.5	28.3	23.0	24.2	27.5	24.5
	CHLORIDE	250	Cl	00940	10.5	11.5	11.2	9.2	9.9	10.2	9.9
	FLUORIDE	1.8	F	00950	0.16	0.90	0.96	0.14	0.88	0.92	0.97
	PHOSPHATE, TOTAL		PO_4	00650	0.05	0.02	0.02	0.07	0.04	0.02	0.02
	PHOSPHATE, DISSOLVED		PO_4	00653	0.01	0.01	0.01	0.01	<0.01	0.01	<0.01
	SILICA		SiO_2	00956	0.9	1.1	1.1	1.0	1.2	1.2	1.3
	CALCIUM		Ca	00916	38	41	40	40	40	41	40
	MAGNESIUM		Mg	00927	10	10	10	10	10	10	10
	POTASSIUM		K	00937	1.9	1.7	2.0	1.8	1.5	1.6	1.5
	SODIUM		Na	00929	5.2	5.2	5.2	4.9	4.8	4.8	4.8
	RESIDUE, TOTAL		TOT. SOLIDS	00500	179	175	177	162	169	168	167
	RESIDUE, FILTRABLE	500	DISS. SOLIDS	00515	176	172	177	162	158	164	161
	OXYGEN, DISSOLVED		O_2	00300	14.1	13.8	12.7	14.2	14.2	13.5	13.8
	OXYGEN DEMAND, CHEMICAL		O	00335	15.4	6.5	10.3	15.4	7.2	6.2	9.3
	NITROGEN, AMMONIA		N	00610	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	NITROGEN, NITRITE/NITRATE	1/10	N	00630	0.27	0.26	0.26	0.22	0.25	0.25	0.24
	NITROGEN, ORGANIC		N	00605	0.09	0.10	0.08	0.10	0.08	0.09	0.10
mg/l	CYANIDE	0.2	CN	00720	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	FOAMING AGENTS	0.5	MBAS	38260	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	HARDNESS		$CaCO_3$	00900	136	144	141	141	141	144	141
MICROGRAMS/LITER	ALUMINUM		Al	01150	<10	230	220	<10	145	160	135
	ARSENIC	50	As	01002	<1	<1	<1	<1	<1	<1	<1
	BARIUM	1000	Ba	01007	<25	<25	<25	<25	<25	<25	<25
	BORON	1000	B	01022	<2	<2	<2	<2	<2	<2	<2
	CADMIUM	10	Cd	01027	<1	<1	<1	<1	<1	<1	<1
	CHROMIUM	50	Cr	01034	<1	<1	<1	<1	<1	<1	<1
	COBALT		Co	01037	<1	0	<1	<1	<1	<1	<1
	COPPER	5000	Cu	01042	2	<1	<1	<1	<1	<1	<1
	IRON, TOTAL	1000	Fe	01045	105	10	<10	<10	<10	10	<10
	LEAD	50	Pb	01051	5	<1	<1	<1	<1	<1	<1
	LITHIUM		Li	01132	2	8	5	2	2	2	2
	MANGANESE	150	Mn	01055	4	1	1	2	1	1	1
	MERCURY	2	Hg	71900	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	NICKEL		Ni	01067	<1	<1	<1	<1	<1	<1	<1
	STRONTIUM		Sr	01082	160	130	150	130	140	130	130
	ZINC	5000	Zn	01092	3	<1	10	5	<1	8	10
	PHENOL-LIKE SUBSTANCES	1	PHENOL	32730	<1	<1	<1	<1	<1	<1	<1
µg/l	SILVER	50	Ag	01077	<1	<1	<1	<1	<1	<1	<1
	SELENIUM	10	Se	01145	<1	<1	<1	<1	<1	<1	<1
	RADIOACTIVITY	50	BETA Pc/l	03501		EQUIPMENT	NON-	FUNCTIONAL			
	SATURATION INDEX		(L)		-0.03	+0.06	+0.13	+0.07	+0.13	+0.27	+0.13

6-81 CHIEF WATER CHEMIST

DIR. WATER PURIFICATION LABORATORIES

APPENDIX XI

OPHTHALMOLOGY NARRATIVE REPORT

SUMMARY OF OPHTHALMIC FINDINGS

Ophthalmic examination, consisting of indirect ophthalmoscopy and biomicroscopy, was performed on all animals before administration of the test article and at test weeks 25, 51, 76, and 103. Only animals found to be free of clinically apparent ophthalmic lesions in the pretest examination were used in the study. The results of these examinations are summarized by test week, followed by individual animal observations.

Orbital bleeding was performed on randomly selected animals from each test group at test weeks 14, 26, 52, 78, and 104. Animals used for orbital bleeding were denoted on the ophthalmic incidence data sheets by using "L" or "R" when it was known which orbit was used for bleeding. "U" was used to denote animals bled when both orbits were used or when it was not recorded which orbit was used. At test week 26, 0/100 animals bled showed ophthalmic lesions. At test week 51, 13/100 animals bled were observed to have ophthalmic abnormalities. At test week 76, 21/98 animals bled and examined were found to have eye lesions. At the final examination in test week 103, 42/77 animals bled and examined had ophthalmic lesions. Lesions observed in eyes which had been orbitally bled included: ocular discharge, enophthalmia, phthisis, cataracts, uveitis, buphthalmia, hyphema, retinal vascular attentuation, and retinal degeneration. The aforementioned abnormalities could have been caused by ocular trauma or penetration at the time of orbital bleeding.

Ocular conjunctivitis, discharge, keratitis, and corneal scarring were observed in all test groups throughout the study and probably were a result of chronic external irritation. Increasing incidences of cataracts and retinal lesions were noted as the study progressed with test week 103 having the highest incidence. Retinal lesions included: retinal folds, retinal and choroidal vascular attenuation, retinal hyperreflectivity, retinal hemorrhage, retinal degeneration, choroidal hemorrhage, and subretinal exudate. The frequencies of occurrance of these changes were similar among control and treatment groups.

Scleral icterus was noted in 1 animal (dose group 2.0 mg/kg/day) at test week 76 and in 10 animals at test week 103 (3 animals in dose group 0.4 mg/kg/day and 7 animals in dose group 50.0 mg/kg/day). These changes were probably related to disorders elsewhere in the body.

In summary, ophthalmologic abnormalities observed in this study occurred in random fashion, and were not considered to be related to TNT treatment.

[illegible]

C. Sue West, D.V.M.
Diplomate, American
College of Veterinary
Ophthalmologists

8/31/84
Date

Study Number L6116-9
Test Article TNT

OPHTHALMIC INCIDENCE TABLE
SUMMARY - TEST WEEK 25

Dose (mg/kg/day)

	Males					Females				
LESION	0.0	0.4	2.0	10.0	50.0	0.0	0.4	2.0	10.0	50.0
Blepharitis	0/75	0/75	0/75	0/75	0/75	0/75	1/74	0/75	0/75	0/75
Ocular Discharge	0/75	0/75	0/75	0/75	0/75	0/75	0/74	1/75	2/75	0/75
Enophthalmia	0/75	0/75	0/75	0/75	0/75	0/75	1/74	0/75	0/75	0/75
Corneal Scar	0/75	0/75	0/75	0/75	1/75	0/75	0/74	0/75	0/75	0/75
Iritis/Anterior Uveitis	0/75	1/75	0/75	0/75	0/75	0/75	0/74	0/75	0/75	1/75
Anterior Synechia	0/75	0/75	0/75	0/75	0/75	0/75	0/74	1/75	0/75	0/75
Cataracts	0/75	1/75	0/75	1/75	1/75	0/75	0/74	1/75	0/75	1/75
Vascular Attenuation, Retinal	0/75	0/75	0/75	0/75	0/75	0/75	0/74	1/75	0/75	0/75

Study Number L6116-9
Test Article TNT

OPHTHALMIC INCIDENCE TABLE
SUMMARY - TEST WEEK 51

	Dose (mg/kg/day)									
	Males					Females				
LESION	0 0	0 4	2 0	10 0	50 0	0 0	0 4	2 0	10 0	50 0
Ocular Discharge	0/64	0/64	0/64	1/65	1/65	1/64	4/64	3/65	6/65	1/65
Conjunctival Hemorrhage	0/64	0/64	0/64	0/65	0/65	0/64	0/64	0/65	0/65	1/65
Buphthalmia	0/64	1/64	0/64	0/65	1/65	0/64	0/64	0/65	0/65	0/65
Phthisis	0/64	0/64	0/64	0/65	0/65	0/64	1/64	0/65	2/65	0/65
Enophthalmia	0/64	0/64	0/64	0/65	0/65	0/64	1/64	0/65	0/65	0/65
Keratitis	0/64	0/64	0/64	0/65	1/65	0/64	0/64 .	0/65	0/65	0/65
Hyphema	0/64	1/64	0/64	0/65	1/65	0/64	0/64	0/65	0/65	0/65
Iritis/Anterior Uveitis	0/64	0/64	1/64	0/65	0/65	2/64	0/64	1/65	0/65	1/65
Anterior Synechia	0/64	0/64	0/64	0/65	1/65	0/64	0/64	1/65	0/65	0/65
Cataracts	2/64	2/64	1/64	2/65	0/65	2/64	0/64	2/65	0/65	1/65
Retinal Folds	0/64	0/64	0/64	0/65	0/65	2/64	0/64	0/65	0/65	0/65
Vascular Attenuation Retinal	0/64	0/64	0/64	1/65	0/65	0/64	0/64	1/65	0/65	2/65
Retinal Hyperreflectivity	0/64	0/64	0/64	0/65	0/65	0/64	0/64	0/65	0/65	1/65
Subretinal Exudate	0/64	0/64	0/64	0/65	0/65	1/64	0/64	0/65	0/65	0/65

Study Number L6116-9
Test Article: TNT

OPHTHALMIC INCIDENCE TABLE
SUMMARY - TEST WEEK 76

	Dose (mg/kg/day)									
	Males					Females				
LESION	0.0	0.4	2.0	10.0	50.0	0.0	0.4	2.0	10.0	50.0
Ocular Discharge	1/54	4/52	0/52	3/53	2/53	6/52	3/52	2/53	9/55	2/55
Phthisis	0/54	0/52	1/52	0/53	0/53	1/52	2/52	0/53	2/55	1/55
Keratitis	0/54	0/52	0/52	0/53	2/53	0/52	0/52	0/53	0/55	0/55
Corneal Scar	0/54	0/52	0/52	0/53	1/53	0/52	0/52	0/53	0/55	0/55
Hyphema	0/54	1/52	0/52	0/53	1/53	0/52	0/52	0/53	0/55	0/55
Iritis/Anterior Uveitis	0/54	0/52	1/52	0/53	0/53	1/52	0/52	2/53	0/55	1/55
Anterior Synechia	0/54	0/52	0/52	0/53	1/53	0/52	0/52	1/53	0/55	0/55
Cataracts	1/54	2/52	2/52	2/53	2/53	2/52	0/52	3/53	0/55	1/55
Retinal Folds	0/54	0/52	1/52	0/53	0/53	2/52	0/52	0/53	0/55	0/55
Vascular Attenuation: Retinal	0/54	1/52	1/52	1/53	2/53	0/52	0/52	2/53	1/55	4/55
Choroidal	0/54	1/52	1/52	0/53	2/53	0/52	0/52	3/53	0/55	2/55
Retinal Hyperreflectivity	0/54	0/52	1/52	0/53	0/53	0/52	1/52	0/53	1/55	2/55
Icterus	0/54	0/52	1/52	0/53	0/53	0/52	0/52	0/53	0/55	0/55

Study Number L6116-9
Test Article: TNT

OPHTHALMIC INCIDENCE TABLE
SUMMARY - TEST WEEK 103

	Dose (mg/kg/day)									
	Males					Females				
LESION	0.0	0.4	2.0	10.0	50.0	0.0	0.4	2.0	10.0	50.0
Ocular Discharge	2/35	1/34	1/28	2/33	5/43	5/40	4/40	4/41	9/48	7/48
Conjunctival Hemorrhage	0/35	0/34	0/28	0/33	1/43	0/40	0/40	0/41	0/48	0/48
Buphthalmia	0/35	0/34	0/28	0/33	0/43	0/40	0/40	0/41	0/48	1/48
Phthisis	1/35	0/34	0/28	0/33	1/43	2/40	2/40	1/41	3/48	1/48
Keratitis	0/35	0/34	0/28	1/33	3/43	1/40	1/40	3/41	3/48	2/48
Corneal Scar	0/35	1/34	0/28	0/33	0/43	1/40	0/40	0/41	0/48	0/48
Hyphema	0/35	0/34	0/28	0/33	1/43	0/40	0/40	1/41	0/48	1/48
Iritis/Anterior Uveitis	2/35	0/34	2/28	1/33	0/43	2/40	0/40	4/41	0/48	2/48
Posterior Synechia	0/35	0/34	1/28	0/33	0/43	0/40	0/40	0/41	0/48	0/48
Cataracts	4/35	6/34	5/28	6/33	6/43	7/40	3/40	8/41	7/48	11/48
Retinal Folds	0/35	0/34	1/28	0/33	0/43	1/40	0/40	0/41	0/48	0/48
Vascular Attenuation: Retinal	0/35	0/34	0/28	1/33	3/43	1/40	0/40	2/41	2/48	3/48
Vascular Attenuation: Choroidal	1/35	0/34	0/28	1/33	2/43	0/40	1/40	2/41	2/48	2/48
Retinal Hyperreflectivity	0/35	0/34	1/28	0/33	0/43	0/40	1/40	0/41	1/48	1/48
Sparse Choroidal Vascular Pattern	1/35	0/34	1/28	0/33	0/43	3/40	0/40	0/41	0/48	0/48
Retinal Hemorrhage	0/35	1/34	0/28	0/33	0/43	0/40	0/40	0/41	0/48	0/48
Retinal Degeneration	0/35	1/34	0/28	0/33	0/43	0/40	0/40	0/41	0/48	0/48
Icterus	0/35	3/34	0/28	0/33	7/43	0/40	0/40	0/41	0/48	0/48
Choroidal Hemorrhage	0/35	1/34	1/28	0/33	0/43	1/40	0/40	0/41	0/48	0/48
Fundus Reflex Only	0/35	0/34	0/28	0/33	0/43	0/40	0/40	1/41	0/48	0/48

APPENDIX XII

PATHOLOGY NARRATIVE REPORT

FINAL PATHOLOGY REPORT

OF TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICTY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

December 8, 1984

IITRI Project Number L6116
Study No. 11

QUALITY ASSURANCE STATEMENT
L6116 SN11

Necropsy and histology procedures were inspected on April 15 and October 7, 1982, October 12 and 13, 1983 and February 21 and April 3, 1984 by J. Reed. Draft pathology reports were audited on October 29 to November 29, 1982, January 19, February 2 to 7, June 21 to 23, 1983, March 21 to 23 and November 12 to 14, 1984 by J.M. Reed and J. McPhilips. The study was found to meet Life Sciences Quality Assurance criteria. Specimens and raw data generated during the study will be retained in the IITRI Life Sciences Archives as specified in standard operating procedures.

Josephine M. Reed 6/3/86

Josephine M. Reed
Supervisor Quality Assurance

TABLE OF CONTENTS

TABLE OF CONTENTS

FINAL PATHOLOGY REPORT OF TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

I. INTRODUCTION

In accordance with the experimental protocol necropsy and histopathologic examination were performed on organs and tissues of 600 (300 males and 300 females) B6C3F1 hybrid mice for IITRI Project L6116, Study Number 11.

The mice were divided into four groups, each containing 75 males and 75 females. Each group was fed either trinitrotoluene (TNT) as a dietary admixture or an untreated rodent chow diet until death or sacrifice. The treatment group number, treatment, number of mice per group, sex, and corresponding dose levels are shown below.

Treatment Group	Treatment	Number of Males	Number of Females	Dose level mg/kg/day
I	---	75	75	0.0
II	TNT	75	75	1.5
III	TNT	75	75	10.0
IV	TNT	75	75	70.0

Scheduled sacrifices were conducted at 6, 12, and 24 months. Ten mice per dose level per sex were sacrificed at 6 and 12 months. All surviving mice were sacrificed at 24 months. A pathology report was made for each of these intervals. These pathology reports constitute Pathology Appendices I, II, and III. Each report lists the number of mice examined that died spontaneously or were sacrificed as moribund along with those scheduled to be sacrificed at 6, 12, and 24 months of the study.

II. MATERIALS AND METHODS

1. Gross Pathology

The mice were anesthetized with carbon dioxide, exsanglunated from the orbital sinus or abdominal aorta, and necropsied. Mice dying spontaneously during the study or sacrificed *in extremis* were also necropsied. At necropsy, abdominal, thoracic and cranial cavities of each mouse were opened and organs were examined and collected in 10% neutral buffered formalin. The eyes were fixed in 3% glutaraldehyde solution and the testes in Bouin's solution. The lungs were fixed by intratracheal perfusion of formalin. The brain, heart, liver, spleen, and testes were weighed before fixation. Organs were not weighed for mice which either spontaneously died or were sacrificed moribund.

2. Histopathology

The following tissues were collected at necropsy, processed using standard histologic technique, paraffin-embedded, sectioned at 5u, stained with hematoxylin and eosin, and examined microscopically. Those tissues marked with an asterisk in the list below were processed for microscopic examination only at the control and high dose level (70.0 mg/kg/day). The brain, spinal cord, spleen, kidneys, heart, liver, gonads, as well as all gross lesions were processed at all dose levels.

The following tissues were collected:

Adrenal*
Brain (frontal, parietal, cerebellar)*
Cecum*
Colon*
Costochondral juncture
Duodenum*
Epididymides*
Esophagus*
Eyes with optic nerves*
Gall bladder
Gross lesions*
Heart*
Ileum*
Jejunum*
Kidneys*
Larynx
Liver*
Lungs and mainstem bronchi*
Lymph nodes:
 Mandibular
 Mesenteric*
Mammary gland*
Muscle, skeletal
Nasal turbinates
Ovaries*
Pancreas*
Pituitary
Prostate*
Rectum*
Salivary gland
Seminal vesicles
Sciatic nerve
Skin/Abdominal
Spinal cord (cervical,
  thoracic, lumbar)*
Spleen*
Sternum with marrow*
Stomach
Testes*
Thymus
Thyroids*/parathyroids*
Tissue masses*
Trachea*
Urinary bladder
Uterus*
Bone marrow smear

The grading system for lesions and the abbreviations used in the pathology tables are as follows.

Grade 1 = minimal severity
Grade 2 = mild severity
Grade 3 = moderate severity
Grade 4 = marked severity
N = Within Normal Limits
M = Tissue Not Present
- = Tissue Not Applicable
P = Lesion Present, No Grade

3. Statistical Evaluations

Statistical evaluation of pathological lesions were performed using models for qualitative data. For the comparison of treated vs control mice in terms of the presence or absence of a specific lesion, Fishers exact test was used for cases when the expected value of any cell was less than or equal to five. Otherwise, a chi-square analysis was performed.

III. PATHOLOGY RESULTS

The necropsy summary tables and the histopathologist's report, including the histopathology incidence and summary tables for the 6 and 12 months interim sacrifices and the 24 month terminal sacrifice, are presented in Pathology Appendices I, II and III, respectively. A summary of the pathology results follows.

1. SIX MONTH INTERIM SACRIFICE

A. Gross Observations

All lesions observed at necropsy during this study period were regarded as incidental findings ascribed to naturally occurring disease or method of sacrifice. These lesions were present in both control and treated mice.

B. Microscopic Observations

Lesions observed in kidneys as cytoplasmic vacuolization of tubular epithelial cells in male mice and urethral calculi were considered to be spontaneous in nature in females. A pulmonary hemorrhage and increased splenic extramedullary hematopoiesis were also considered spontaneous and unrelated to the compound administration. All other lesions, neoplastic and non-neoplastic observed microscopically in mice of both sexes, treated with TNT for 6 months were considered unrelated to the TNT administration.

2. TWELVE MONTH INTERIM SACRIFICE

A. Gross Observations

Lesions observed at necropsy in mice treated with TNT for 12 months were considered to be spontaneous in nature and unrelated to TNT administration. These lesions were regarded as incidental findings of naturally occurring disease and were present in both control and treated mice.

B. Microscopic Observations

Lesions observed in male mice as testicular germinal

epithelial cell degeneration, increased splenic extramedullary hematopoiesis, cytoplasmic vacuolization of renal tubular epithelial cells, urethral calculi and a variety of inflammatory dermal lesions (dermatitis and ulceration) were observed in control and treated mice. These lesions occurred spontaneously and were not considered to be related to the compound administration. In the brain of females, corpora amylacea were observed in treated mice, but these bodies are frequently seen in untreated adult mice and they were not considered treatment-related (1,2). Increased extramedullary hematopoiesis in spleen, pulmonary congestion, renal lymphocytosis and chronic active dermatitis were observed in control and treated females and were sporadic and not treatment-related.

The cause of death and morbidity among mice during 6-12 months of the study was ascribed to naturally occurring disease.

Administration of TNT for twelve months did not induce non-neoplastic toxic or neoplastic lesions in male or female mice.

3. TWENTY-FOUR MONTH TERMINAL SACRIFICE

A. Gross Observations

Lesions observed at necropsy which appeared to have an increased incidence in female mice at the 70.0 mg/kg/day dose level were: enlarged spleen (splenomegaly) and enlarged lymph nodes (lymphadenopathy), which may have been treatment-related. All other lesions observed at necropsy during this study period were considered to be spontaneous naturally occurring diseases for this strain of mice.

B. Microscopic Observations

Treatment-related lesions were observed in the reticuloendothelial system (spleen) of females at the 70.0 mg/kg/day dose level. These lesions included; leukemia of granulocytic or lymphocytic type and/or malignant lymphoma of histiocytic, lymphocytic or mixed type. Leukemia and malignant lymphoma were systemic reticuloendothelial neoplasias and did involve other organs and tissues (adrenals, bone marrow, brain, gastrointestinal tract, eyes, kidneys, liver, lung, and the following lymph nodes; axillary, cervical, hepatic, inguinal lumbar, mandibular, mesenteric, popliteal, renal and respiratory. They were also observed in mammary gland, optic nerves, ovaries, pancreas, peritoneum, salivary gland, skeletal muscle, spinal cord, thymus, thyroids, urinary bladder and uterus.

The incidence of combined leukemia/malignant lymphoma in the spleen of females appeared to be dose-related. The increase was statistically significant at the 70.0 mg/kg/day dose level, and these lesions were considered to be treatment-related (Tables I and II).

TABLE I

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the B6C3F1 Hybrid Mouse.

Statistical Evaluation of Histopathological Lesions for the 12-24 Month MS/SD and Terminal Sacrificed Males

	DOSE (mg/kg/day)			
	0.0	1.5	10.0	70.0
LIVER - INCREASED EXTRAMEDULARY HEMATOPOIESIS				
PRESENT	3	7	13*	7
ABSENT	50	46	39	47
SPLEEN - HYPERPLASIA LYMPHOID				
PRESENT	19	31*	28	18
ABSENT	34	22	24	36

* $P < .05$

Table II

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the B6C3F1 Hybrid Mouse.

Statistical Evaluation of Histopathological Lesions for the 12-24 Month MS/SD and Terminal Sacrificed Females

	DOSE (mg/kg/day)			
	0.0	1.5	10.0	70.0
KIDNEYS - LEUKEMIA/MALIGNANT LYMPHOMA				
PRESENT	5	11	8	10
ABSENT	49	43	46	44
SPLEEN - LEUKEMIA/MALIGNANT LYMPHOMA				
PRESENT	9	15	17	21*
ABSENT	45	39	37	33
LIVER - ADENOMA/CARCINOMA				
PRESENT	5	11	8	10
ABSENT	49	43	46	44

* $p < .05$

In males, increased splenic extramedullary hematopoiesis and lymphoid hyperplasia were observed in control and treated mice. There was no dose-response relationship and these lesions were considered spontaneous with no biological significance. The hepatocellular adenomas and carcinomas were observed in control and treated mice and the occurrance of these neoplasms were considered to be spontaneous in nature.

IV. SUMMARY AND DISCUSSION

Lesions observed at necropsy at 6 and 12 month interim sacrifice and microscopic examination of tissues during this study period did not reveal lesions which were considered to be induced by the administration of TNT.

Enlarged spleen and lymph nodes in females observed at necropsy at the terminal sacrifice and in mice that died or were sacrificed moribund between 12 and 24 months were considered to be treatment-related. Microscopic examination revealed leukemia and malignant lymphoma in the spleen of these mice for the 70.0 mg/kg/day dose level. These statistically significant increases were considered to be a carcinogenic effect of TNT in the B6C3F1 hybrid females when treated for twenty-four months.

On the basis of compound-induced histopathologic neoplastic lesions observed for this study, no effect levels for TNT in B6C3F1 hybrid mice were 70.0 mg/kg/day for male mice and 10.0 mg/kg/day dose level for female mice.

All other lesions observed at necropsy and microscopically in tissues from the twnety-four month chronic toxicity/carcinogenicity study of trinitrotoluene (TNT) were considered sponteneous, naturally occurring degenerative, inflammatory and/or neoplastic diseases which commonly occur in an aging mouse population of the B6C3F1 strain (1,2).

Vladislava S. Rac

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VI. REFERENCES

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